

OWNER'S MANUAL

MAGNAVOX

Smart. Very smart.®

20MDRF20

COLOR TV WITH BUILT-IN DVD PLAYER



NEED HELP? CALL US!

MAGNAVOX REPRESENTATIVES ARE READY TO HELP YOU WITH ANY QUESTIONS ABOUT YOUR NEW PRODUCT. WE CAN GUIDE YOU THROUGH CONNECTIONS, FIRST-TIME SETUP, AND ANY OF THE FEATURES. WE WANT YOU TO START ENJOYING YOUR NEW PRODUCT RIGHT AWAY.

**CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT.
1-800-705-2000**

OR VISIT US ON THE WEB AT WWW.MAGNAVOX.COM



IMPORTANT!

RETURN YOUR WARRANTY REGISTRATION CARD WITHIN 10 DAYS.
SEE WHY INSIDE.

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your MAGNAVOX warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your purchase, and welcome to the "family!"



Dear MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a MAGNAVOX product.

P.S. Remember, to get the most from your MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these safety symbols



⚡ This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

⚠ The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

Visit our World Wide Web Site at <http://www.magnavox.com>

Safety and General Information 3

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

Laser Safety: This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

Special Information for Canadian Users: This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio/TV Interference: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and the receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

Copyright Protection: Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited. This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Note to the Cable TV System Installer: This reminder calls the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding – in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

Declaration of Conformity

Model Number: 20MDRF20
Trade Name: Magnavox
Responsible Party: Philips Consumer Electronics
P.O. Box 14810
Knoxville, TN 37914-1810
(865) 521-4316



As an ENERGY STAR® Partner, Magnavox has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered mark. Using products with the ENERGY STAR® label can save energy. Saving energy reduces air pollution and lowers utility bills.

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Welcome to your TV/DVD owner's manual.

This manual describes the 20MDRF20 and explains how to use all its features.

Features - TV

- Automatic Channel Setup
- Automatic Power Off
- Closed Captions
- Picture Controls
- Remote Control
- Setup menus in English, French, or Spanish
- Sleep Timer
- V-Chip (Parental Control)

Features - Discs

- Audio Language choices*
 - Camera Angles*
 - Markers
 - MP3 and JPEG Play
 - Parental Control*
 - Paused/Fast/Slow/Step-by-Step Play
 - Programmed Play
 - Random Play
 - Repeat, A-B Repeat
 - Resume On
 - Specific Time/Title/Chapter/Track Play
 - Subtitles*
 - Zoom
- * If available on the Disc

DVD Disc Menus...

Some explanations in this manual describe DVD Disc menus. DVD manufacturers set the menus, which vary among DVDs. All DVDs do not have menus. If the DVD has a menu, access it by pressing DISC MENU on the remote. See *page 25*.

Setup Menus...

Some instructions explain how to use the setup menus of the TV/DVD. There are two setup menus: one for the TV features while the unit is in TV mode, and one for the Disc features while the unit is in DVD mode. Access the setup menus by pressing SETUP on the remote.


While in TV mode, you can select only the TV SETUP menu. In DVD mode, you can select both the TV SETUP menu and the SETUP menu for the unit's DVD Player. Press the SETUP button once to select the TV SETUP menu. Press SETUP twice to get to the DVD Player's SETUP menu.

Even if you set a feature in the unit's SETUP menu, it will not be available if the current Disc does not include that feature.

Available Disc Features...



All features described in this manual are not available on every Disc. If the feature is not available on the Disc, you cannot use the TV/DVD to make it available.

An  will appear in the top right corner of the TV screen if you try to access a feature that is not currently available. For example, some features are available only during play, while others are available only if play is stopped. If you cannot access a feature, stop or start play, then try the feature again.

6 Playable Discs

Playable Discs

The DVD Player of this TV/DVD will play many types of Discs, including Digital Video Discs (DVDs) and Audio Compact Discs (CDs). It will play MP3 and JPEG files as well. To play a DVD, make sure it meets the requirements for Region Codes and Color Systems as described below. Discs that have the following logos will play. Finalize Discs before playing them.



DVD: Prerecorded Digital Video Discs



CD-R: Compact Disc Recordable. CD-Rs can be recorded on only once.



Audio CDs



DVD+R: DVD Recordable. DVD+Rs can be recorded on only once.



MP3: Digital audio files recorded on a CD-R or CD-RW



DVD+RW: DVD Rewritable. DVD+RWs can be recorded on multiple times.



CD-RW: Compact Disc Rewritable. CD-RWs can be recorded on multiple times.

Region Codes

This TV/DVD has a Region One (1) DVD Player. DVDs must be labeled for ALL regions or for Region 1 in order to play on the unit. You cannot play DVDs that are labeled for other regions. Look for the symbols below on your DVDs. If these region symbols do not appear on your DVD, you cannot play it in this TV/DVD.



The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

A DVD labelled for a specific region can only play on DVD Players with the same region code.

Color Systems

DVDs are recorded in different color systems throughout the world. The most common color systems are NTSC (which is used primarily in the United States and North America), PAL, and SECAM.

This unit uses NTSC, so DVDs must be recorded in the NTSC system. You cannot play DVDs recorded in other formats. The color system of the DVD may be listed on the DVD or on the Disc case.

Unacceptable Discs

If you insert an unacceptable type of disc, a Disc Error message or the "X" may appear on the TV screen. The following Discs will not play.

- CD-ROM
- DVD-RAM
- DVD-ROM
- Compact Disc-Interactive (CD-I)
- Super Audio CD (SACD) (The Audio CD layer of a hybrid SACD may play.)
- Video Single Disc (VSD)
- DVD-Audio

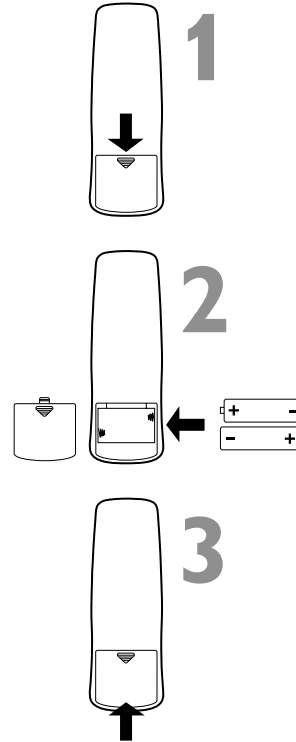
Audio of the following discs might play, but video will not be accessible.

- Compact Disc-Graphic (CD-G)
- Compact Disc-Video (CD-V)

Remote Control Setup 7

Putting Batteries in the Remote Control

- 1** Remove the battery compartment lid on the bottom of the remote control by sliding the lid down and off, following the direction of the arrow on the lid.
- 2** Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.
- 3** Replace the battery compartment lid.



Recycling Guidelines/Battery Safety

- Your new product and its packaging contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount that needs to be properly disposed. Your product uses batteries that should not be thrown away when depleted but should be disposed of as small chemical waste. Please find out about the local regulations on disposal of your old product, batteries, and packaging whenever you replace existing equipment.
- Battery Usage CAUTION - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
 - Install ALL batteries correctly, with the + and - markings on the battery aligned as indicated on the unit;
 - Do not mix batteries, for example, old with new or carbon with alkaline; and
 - Remove batteries when the unit will not be used for a long time.

Using the Remote Control

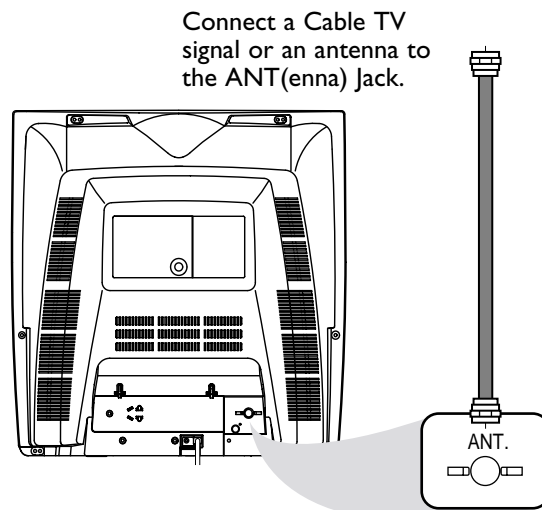
Point the remote control at the remote sensor on the front of the TV/DVD. See *page 13*.

Do not put objects between the remote and the TV/DVD.

8 Hooking Up the TV/DVD

1 Hook up your TV/DVD using one of the connections shown.

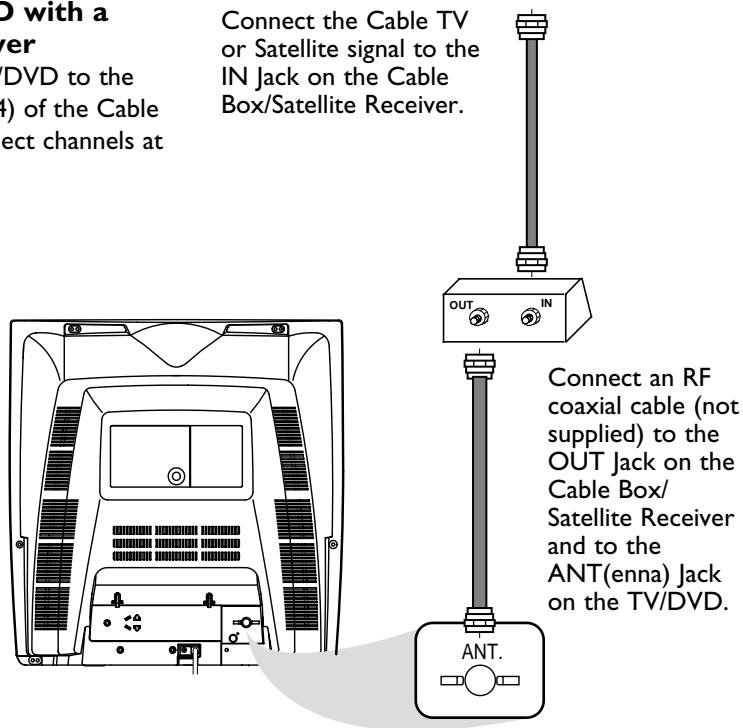
A Hooking Up Your TV/DVD with a Cable TV Signal or Outdoor Antenna



B Hooking Up Your TV/DVD with a Cable Box/Satellite Receiver

To view any channel, set the TV/DVD to the output channel (channel 03 or 04) of the Cable Box/Satellite Receiver. Then, select channels at the Cable Box/Satellite Receiver.

Connect the Cable TV or Satellite signal to the IN Jack on the Cable Box/Satellite Receiver.



Your Cable Box/Satellite Receiver may have Audio and Video Out jacks instead of the single Antenna Out jack (RF coaxial or 75 ohm) shown here.

If so, connect Audio and Video cables to the Audio/Video Out jacks of the Cable Box/Satellite Receiver and to the AUDIO/VIDEO In jacks on the front of the TV/DVD.

Repeatedly press SELECT on the TV/DVD's remote to set it to AUX, not channel 3 or 4. Select channels you want to watch at the Cable Box/Satellite Receiver as usual, leaving the TV/DVD on AUX.

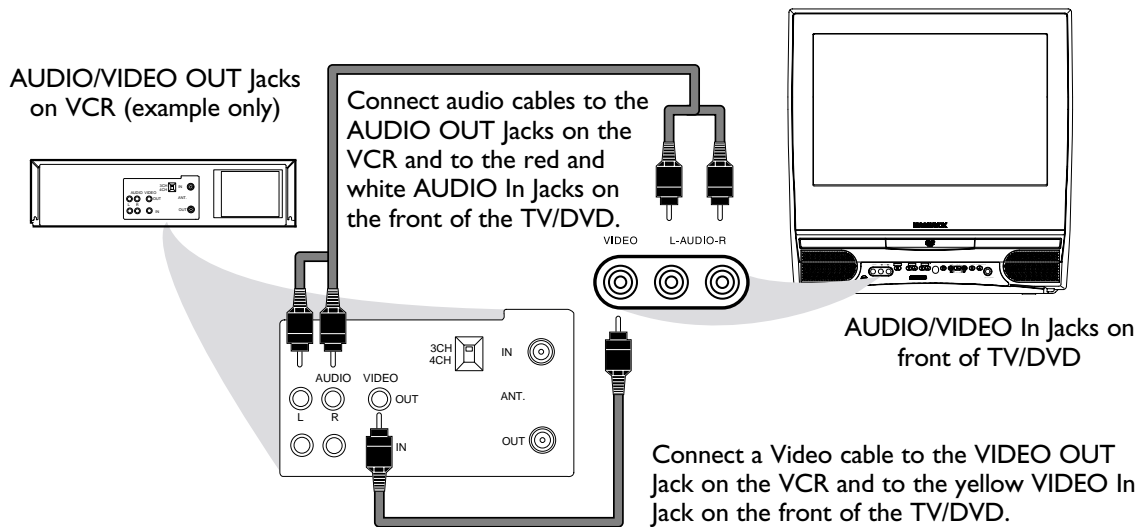
C Hooking Up Your TV/DVD to Another Video Source (VCR, DVD Player, Camcorder, etc.)

You may need this connection if you want to play Discs or tapes on other equipment but watch them on the TV/DVD.

Press the SELECT button on the remote to choose AUX at the TV/DVD when viewing materials playing on other equipment.

Audio and video cables are not supplied.

The TV/DVD does not record.

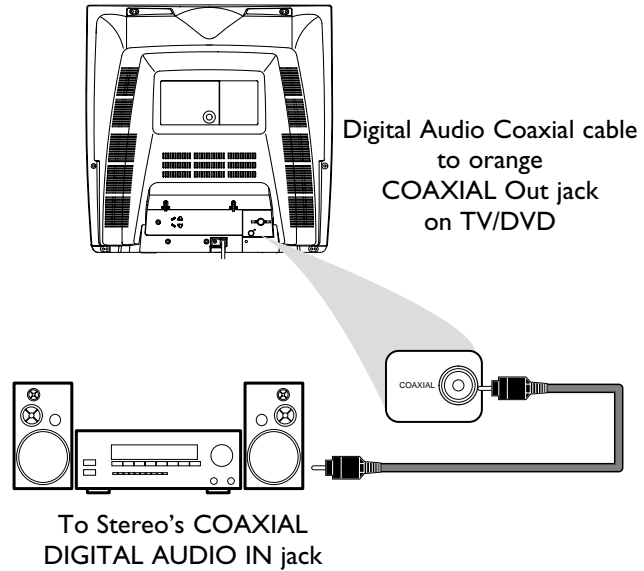


- 2 When all other connections are complete, plug in the TV/DVD's power cord.
- 3 Before you turn on the TV/DVD, go to page 11 for details you need to complete the first-time setup.

10 Digital Stereo Hookups

You can connect the TV/DVD to a Stereo that has a Digital Coaxial In jack. Use this hookup if you want to hear the TV/DVD sound through the Stereo instead. Use these connections for a Dolby Digital-compatible Stereo or for a Receiver that has a Mini-Disc or Digital Audio Tape deck.

- 1** Connect the antenna/Cable TV signal as usual. See page eight.
- 2** Connect a digital audio coaxial cable (not supplied) to the orange COAXIAL Out jack on the rear of the TV/DVD. Connect the same cable to the Stereo's COAXIAL DIGITAL AUDIO IN jack.
- 3** If the Stereo is Dolby Digital-compatible, set **DOLBY DIGITAL** to **ON**. If the Stereo is not Dolby Digital-compatible or if you connected to a Mini-Disc or Digital Audio Tape Deck, set DOLBY DIGITAL to OFF. See page 41.
An incorrect setting causes noise distortion and damages speakers.
To see if your Stereo has Dolby Digital, look for a Dolby Digital logo on your Stereo. Or, refer to the Stereo manual.



Helpful Hints

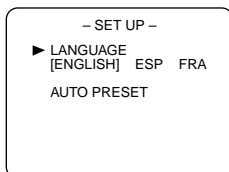
- You cannot use a Mini-Disc or Digital Audio Tape deck to copy 5.1 channel Dolby Digital surround sound Discs.
- Discs recorded in Dolby Digital should show this on the Disc or case. If the Disc is not recorded in 5.1 channel Dolby Digital surround sound, you will not hear multi-channel sound even if you use the Digital Stereo hookup.

First-Time Setup, Watching TV 11

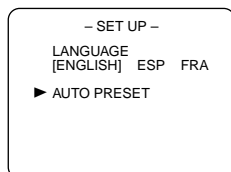
These SET UP screens will appear the first time you turn on the TV/DVD. Set the language for the menus and have the unit memorize available TV channels.

If you are using a Cable Box or Satellite Receiver, do not set channels at the TV/DVD. Set it to the output channel of the Cable Box/Satellite Receiver (channel 3, 4, or AUX). Select channels at the Cable Box/Satellite Receiver. See *page eight*.

- 1 Press **STANDBY-ON** to turn on the TV/DVD.
- 2 Press **ENTER** repeatedly to select **ENGLISH**, **ESPAÑOL**, or **FRANÇAIS**. The selected language will appear inside the []. This will be the language of the TV/DVD menus.

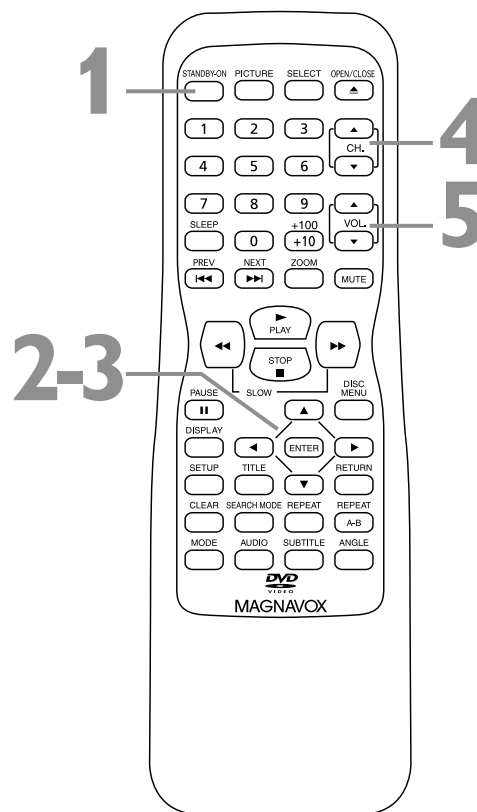
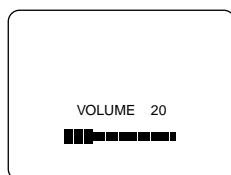


- 3 Press ▲ or ▼ to select AUTO PRESET. Then press ENTER.** The menu will disappear and the TV/DVD will start scanning channels. Active channels will be memorized during this process. When scanning is complete, the TV/DVD will go to the lowest available channel automatically.



- # 4
- To watch TV, press the CH. ▲ or ▼ buttons** to select memorized channels. These appear automatically when you flip through channels. If a channel is skipped, use the Number buttons to select it. This is a non-memorized channel; it may have weak reception in your area.
- Remember, if you are using a Cable Box/Satellite Receiver, set the TV/DVD to channel 3 or 4 or AUX. Change channels at the Cable Box/Satellite Receiver.

- Press VOL. ▲ or ▼ to adjust the volume.**

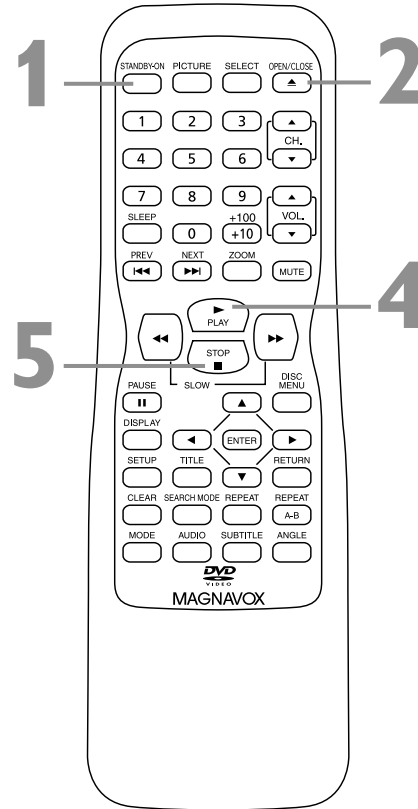


Helpful Hints

- If the power fails, you may need to repeat this first-time setup.
- You may not see these menus when you turn on the TV/DVD. Set channels and the menu language later. See page 17.
- To select Cable TV channels above 99, press the +100/+10 button, then press the Number buttons for the last two digits. For example, to select channel 125, press +100/+10, 2, 5. Precede single-digit channel numbers with a zero (for example, 01 ... 09).
- Pressing CH. ▲ or ▼ in DVD mode puts the unit in TV mode.
- If you turn off the unit in DVD mode, when you turn it on again, it will be in TV mode.
- To remove the SET UP menu or stop scanning channels, press SETUP on the remote.

12 Playing a Disc

- 1** Press **STANDBY-ON** to turn on the **TV/DVD**. The unit will turn on in TV mode.
- 2** Press **OPEN/CLOSE ▲** to open the **Disc tray**. The unit will switch to DVD mode automatically.
- 3** **Place a Disc into the tray.** If the DVD is recorded on only one side, place the Disc in the tray with the label facing up and the shiny side facing down. Some DVDs are recorded on both sides. Make sure the label of the side you want to play is facing up.
- 4** Press **PLAY ►** to close the tray and play the Disc. If a DVD menu appears, see page 25. If play does not begin, press **PLAY ►** again. To play MP3 and JPEG files, see page 38.
- 5** Press **STOP ■** to stop play.



Remember, only certain Discs will play.
See page six for details.

Helpful Hints

- If a Disc is dirty or scratched, the picture may be distorted or play may stop. Remove the Disc and try a different one.
- Pressing **OPEN/CLOSE ▲** or **PLAY ►** when the power is off turns on the unit in DVD mode (instead of the usual TV mode).
- If a Disc has multiple layers, the picture may freeze occasionally. This happens when the first layer switches to the second layer. This is not a malfunction.

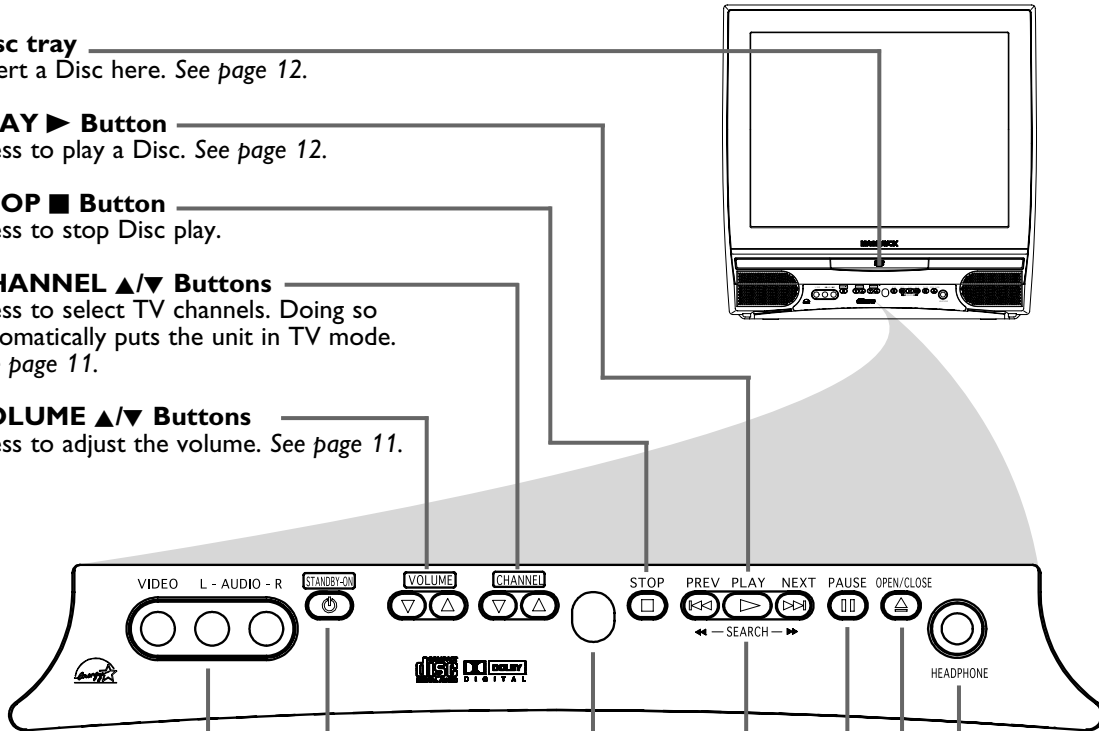
Disc tray
Insert a Disc here. See page 12.

PLAY ► Button
Press to play a Disc. See page 12.

STOP ■ Button
Press to stop Disc play.

CHANNEL ▲/▼ Buttons
Press to select TV channels. Doing so automatically puts the unit in TV mode. See page 11.

VOLUME ▲/▼ Buttons
Press to adjust the volume. See page 11.



VIDEO and AUDIO L/R (left/right) In jacks
Use audio and video cables to connect these jacks to the Audio and Video Out jacks of a Camcorder, DVD Player, etc. This lets you watch materials playing on the other equipment when you choose AUX at the TV/DVD. See page nine.

STANDBY-ON (Power) Button
Press to turn the TV/DVD on or off.

Remote Sensor
Receives a signal from the remote control so you can operate the TV/DVD from a distance.

PREV ◀◀/NEXT ▶▶ (SEARCH ◀◀/▶▶) Buttons
Press to go to a different Chapter or Track. Or, press and hold for two seconds for a forward or reverse search.

PAUSE || Button
Press to pause Disc play. Press repeatedly to advance the picture one frame at a time. See page 29.

OPEN/CLOSE ▲ Button
Press to open or close the disc tray. Doing so automatically puts the unit in DVD mode.

HEADPHONE jack
Connect headphones (not supplied) here for personal listening.

14 Remote Control

PICTURE Button

Press to access the picture controls. See *page 19*.

STANDBY-ON Button (POWER)

Press to turn on or off the TV/DVD.

Number Buttons

TV Mode: Press two digits to access a specific channel. Press 0 before the number of a single digit channel.

Use the +100/+10 button to select channels 100 or higher. Press +100/+10, then the Number buttons of the last two digits of the channel number.

DVD Mode: Use the Number buttons to enter a single-digit Track or Chapter number. Use the +100/+10 button to select double-digit numbers. For example, to select Chapter 16, press +100/+10, then 1, 6.

SLEEP Button

Press to set the Sleep Timer. See *page 19*.

PAUSE II Button

Press to pause Disc play. Press repeatedly to advance the DVD picture one frame at a time. See *page 29*.

DISPLAY Button

Press to see the Disc status. See *pages 39-40*.

TITLE Button

Press to access a DVD's Title menu if available. See *page 25*.

SELECT Button

Press repeatedly to choose TV, AUX, or DVD mode.

When you select DVD mode, you still must press PLAY ► or OPEN/CLOSE ▲ to activate DVD mode completely.

◀◀ and ▶▶ Buttons

Press to search forward or backward during Disc play. See *page 26*.

STOP ■ Button

Press to stop Disc play.

Arrow Buttons

Press to select menu items.

RETURN Button

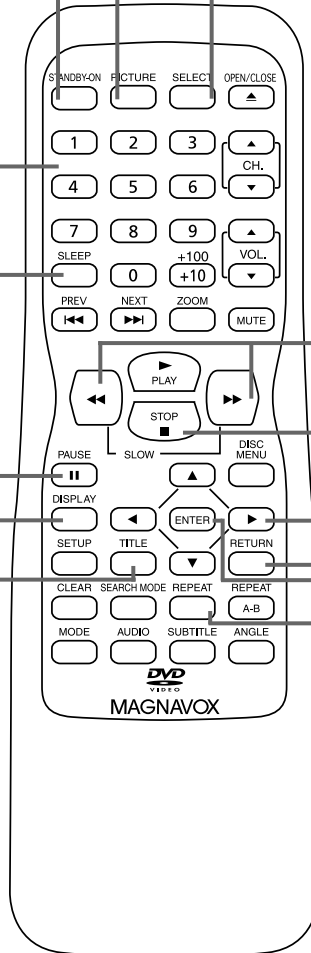
Press to remove some menus or displays.

ENTER Button

Press to adjust or accept a menu setting.

REPEAT Button

Press to play a Disc, Title, Chapter, or Track repeatedly. See *page 30*.



Remote Control (cont'd) 15

OPEN/CLOSE ▲ Button

Press to open or close the Disc tray. This puts the unit in DVD mode automatically.

ZOOM Button

Press to enlarge the DVD picture during play. See *page 33*.

PREV ◀◀ and NEXT ▶▶ Buttons

Press to go to other Tracks or Chapters. See *page 28*.

SETUP Button

Press to access or remove the TV/DVD's setup menus.

CLEAR Button

Press to reset or erase wrong information.

MODE Button

Press to play a Program or to start Random play. See *page 37*. Press to set Black Level or Virtual Surround. See *page 44*.

SEARCH MODE Button

Press to find a specific time, Chapter, Track, or Title on a Disc. See *pages 27-28*. Press to set up Markers. See *page 31*.

CH. (channel) ▲/▼ Buttons

Press to select memorized TV channels. See *page 11*.

VOL. (volume) ▲/▼ Buttons

Press to adjust the volume. Pressing a volume button while the sound is muted will restore the volume.

MUTE Button

Press to mute or restore the sound.

PLAY ▶ Button

Press to play a Disc. See *page 12*.

DISC MENU Button

Press to access DVD Disc menus. See *page 25*.

REPEAT A-B Button

Press to play a section of a Disc repeatedly. See *page 30*.

ANGLE Button

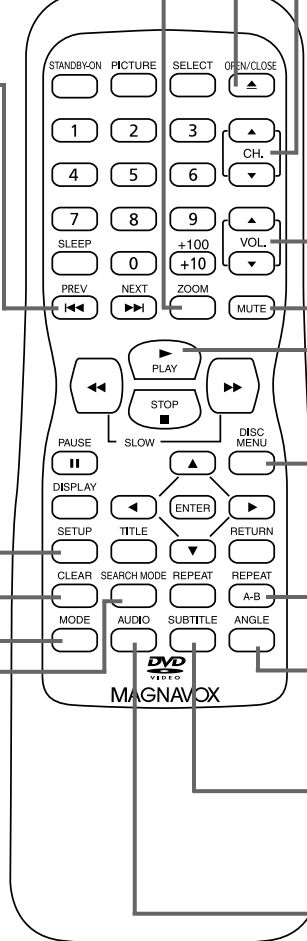
Press to change the camera angle and watch a DVD sequence from a different perspective. See *page 32*.

SUBTITLE Button

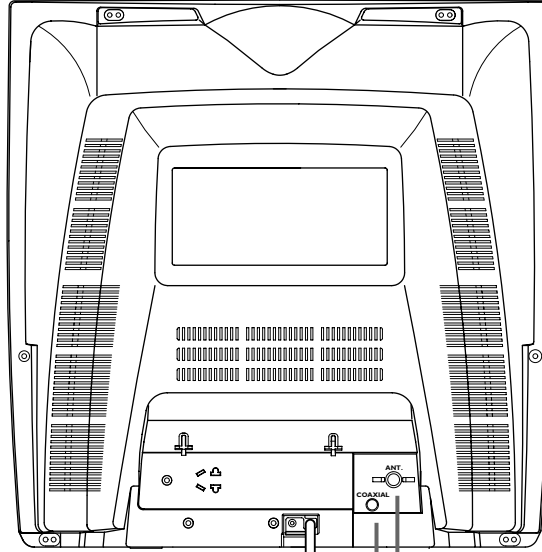
Press to select a subtitle language. See *page 32*.

AUDIO Button

Press to select an audio language or sound mode. See *page 36*.



16 Rear Panel



Power Cord —
Connect to a standard AC outlet (120V/60Hz).

COAXIAL Jack —
(Digital Audio Out) (orange)
Connect this jack to a Digital Stereo using a digital audio coaxial cable (not supplied). Use this connection if the Stereo has Dolby Digital compatibility and has a Digital Coaxial Audio In jack. You may also use this connection when connecting the TV/DVD to a Mini-Disc or Digital Audio Tape deck. See *page 10*.

ANT. Jack —
(Antenna In)
Connect an antenna or Cable TV signal here. This brings TV channels to the TV/DVD. If you do not connect an antenna or Cable TV signal to the TV/DVD (or connect to a Cable Box/Satellite Receiver through this jack), you will not receive any TV channels. See *page eight*.

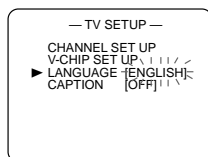
Menu Language, Resetting TV Channels 17

Menu Language

This affects the language of the TV/DVD's setup menus and on-screen display terms. It does not alter the language of TV programming, Disc subtitles, etc.

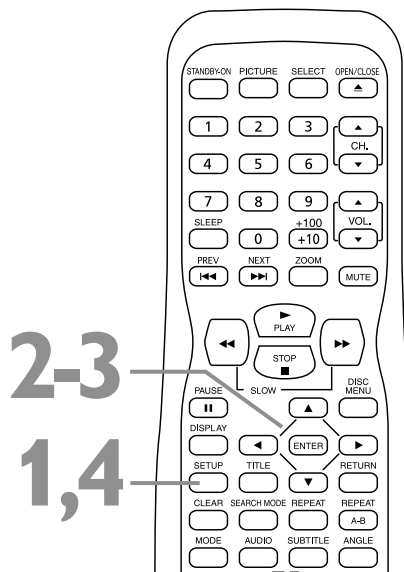
- Before you begin, press **SELECT** to put the TV/DVD in TV mode.

- 1 Press **SETUP**.
- 2 Press **▲** or **▼** to select **LANGUAGE**.



- 3 Press **ENTER** to select **ENGLISH, ESPAÑOL, or FRANÇAIS**. The selected language will flash inside the []. This will be the language of the TV/DVD setup menus.

- 4 Press **SETUP** to remove the menu.

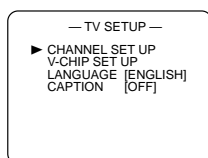


Resetting TV Channels

The TV/DVD may memorize channels when you turn it on the first time. You may reset channels with these steps.

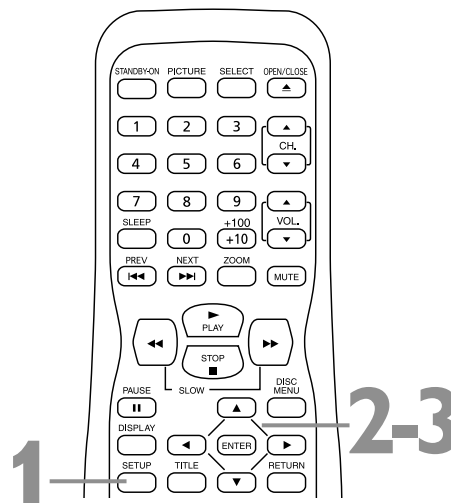
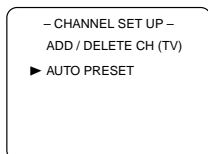
- Before you begin, press **SELECT** to put the TV/DVD in TV mode.

- 1 Press **SETUP**.
- 2 CHANNEL SET UP will be selected. Press **ENTER**.



- 3 Press **▲** or **▼** to select **AUTO PRESET**. Press **ENTER**. The TV/DVD scans all channels and memorizes available ones. When scanning is complete, the TV/DVD will go to the lowest available channel automatically.

To stop channel scanning before it is finished, press **SETUP** on the remote.



Helpful Hints

- If you select Spanish or French menus and need English, press **SETUP**. Press **▲** or **▼** to select **IDIOMA** or **LANGUAGE**. Press **ENTER** repeatedly to select **ENGLISH**. Then, press **SETUP**.
- The TV/DVD cannot change channels at the Cable Box or Satellite Receiver. Set the TV/DVD to channel 3, 4, or AUX. Change channels at the Cable Box/Satellite Receiver. See page eight.
- If the power fails, you may have to reset the TV channels.
- You cannot set up TV channels if the unit is in DVD mode.

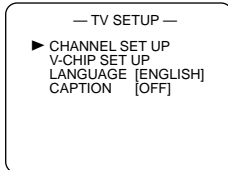
18 Adding/Deleting Channels

You can delete TV channels you no longer receive or seldom watch. Or, you can add more channels if the TV/DVD did not memorize all your favorite channels.

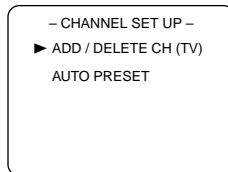
- **Before you begin, press SELECT to put the TV/DVD in TV mode.**

1 Press SETUP.

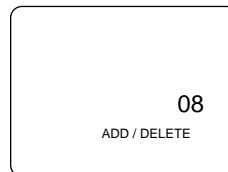
2 CHANNEL SET UP will be selected. Press ENTER.



3 ADD/DELETE CH. will be selected. (TV) or (CATV) will appear beside ADD/DELETE CH. This indicates whether you connected an Antenna (TV) or a Cable TV signal (CATV) to the TV/DVD.



4 Press ENTER. The menu will disappear and a TV channel will appear. The channel number will appear, along with ADD/DELETE.

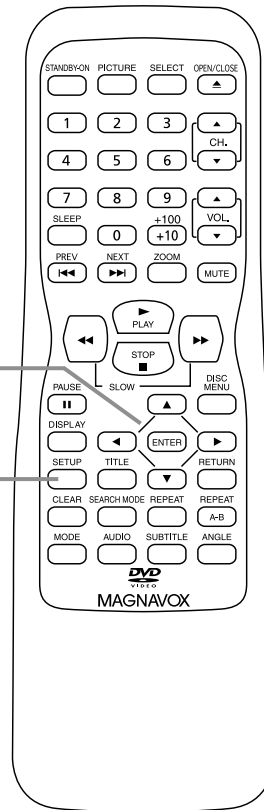


5 Press ▲ or ▼ or CH. ▲ or ▼ to find the channel you wish to add or delete. Only memorized channels can be selected this way. To choose non-memorized channels, use the Number buttons.

6 Press ENTER to add or delete the channel. To add a channel, press ENTER so ADD and the channel number appear together in teal. To delete a channel, press ENTER so DELETE and the channel number appear together in purple. To delete another channel, repeat steps 5-6.

7 Press SETUP when you are finished.

2-6
1,7



Helpful Hints

- To confirm that a channel has been added or deleted, press the CH. ▲ or ▼ buttons to see if you can or cannot select the channel. Only memorized/added channels can be selected with CH. ▲ or ▼. Use the Number buttons to select deleted channels.
- If you connected an Antenna to the TV/DVD, channels 2-69 will be available to add or delete. If you connected to Cable TV, channels 1-125 will be available.
- If you select a blocked channel, PROTECTED PROGRAM ... will appear. The ADD/DELETE display will disappear. Unblock the channel, then try adding/deleting channels again. See pages 34-35.

Picture Control, Sleep Timer 19

Picture Control

The TV/DVD's picture controls are preset to factory specifications. You may make adjustments for a natural image.

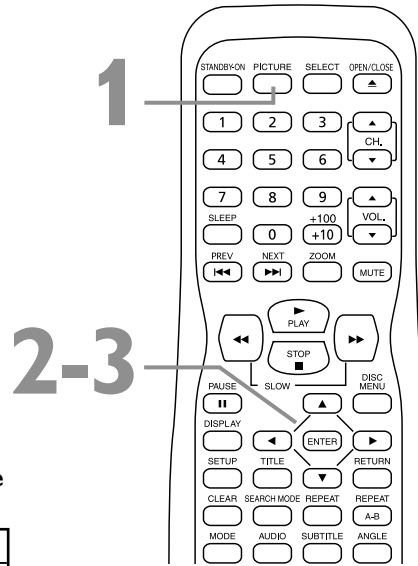
1 Press **PICTURE** so the first picture control appears at the bottom of the screen.

2 Within five seconds, press **▲** or **▼** to select **BRIGHT**, **SHARPNESS**, **TINT**, **COLOR**, or **CONTRAST**.



3 Within five seconds, press **►** or **◄** to adjust the item.

	◄	►
BRIGHT	decrease brightness	add white to picture
SHARPNESS	make soft	make clear
TINT	add blue	add yellow
COLOR	make picture black/white	brighten color
CONTRAST	blur distinction between black and white	more contrast between black and white

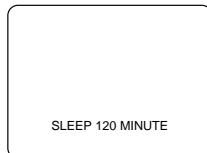


Sleep Timer

Use the Sleep Timer to program the TV/DVD to shut off in a certain amount of time.

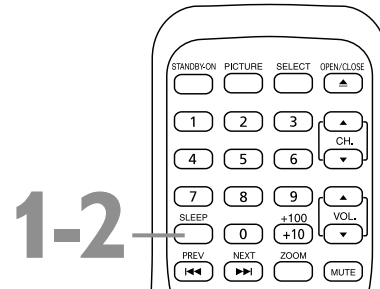
1 Press **SLEEP** until your desired amount of time appears on the screen with **SLEEP**. Each press of **SLEEP** will increase the time by 30 minutes. You may set a Sleep Timer of 30, 60, 90, or 120 minutes.

After 10 seconds, the Sleep Timer information will disappear from the screen.



The TV/DVD will turn itself off after the selected amount of time passes.

2 To cancel the Sleep Timer, press **SLEEP** until **"SLEEP 0 MINUTE"** appears.



Helpful Hints

- **Degaussing:** Magnetism from nearby appliances and speakers might affect the color. Move the TV/DVD away from the appliance. If the color is still not correct, disconnect the TV/DVD's power cord from the AC outlet; reconnect it after 30 minutes.
- The TV/DVD keeps the picture settings after a power failure. A power failure will cancel the sleep timer.
- To see how much time remains before the TV/DVD turns itself off, press **SLEEP** once. The information will disappear in 10 seconds.

20 Setting V-Chip

TV Ratings

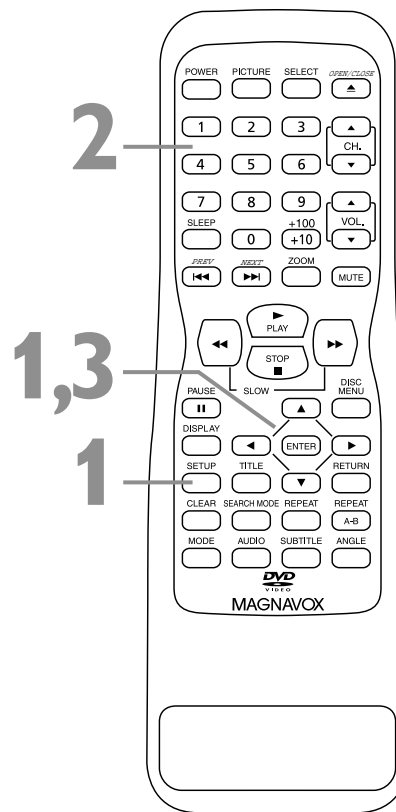
V-CHIP enables parents to prevent their children from watching inappropriate material on TV. V-CHIP reads the ratings for most TV programming (except news, sports, unedited movies, and Emergency Broadcast System signals), then denies viewing if the program's rating meets the limitations you select. A "PROTECTED PROGRAM by ..." message appears on the screen. You must select a different TV channel or play a Disc instead.

V-CHIP affects only TV channels. It does not block DVD play. To block DVD viewing, change the PARENTAL feature. See pages 34-35.

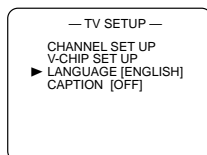
TV programming is rated by the Motion Picture Association of America (MPAA) or according to the Television Parental Guidelines. In order to block any inappropriate programming, set your limits in both places (MPAA RATING and TV RATING).

Before you begin, make sure ...

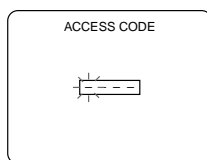
- The TV/DVD power is on.
- The unit is in TV mode. Press SELECT to put the TV/DVD in TV mode.



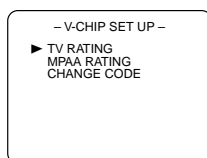
- 1 Press SETUP. Press ▲ or ▼ to select V-CHIP SET UP. Then, press ENTER.**



- 2 Press the Number buttons to enter the four-digit access code. When entering the access code for the first time or if there has been a power failure, enter default code 0000.**



- 3 Press ▲ or ▼ to select TV RATING. Then, press ENTER.**



TV Rating Explanations

- TV-Y - Appropriate for all children
- TV-Y7 - Appropriate for children seven and older
- TV-G - General Audience
- TV-PG - Parental Guidance suggested.
- TV-14 - Unsuitable for children under 14
- TV-MA - Mature audience only

Helpful Hint

- You cannot use the default access code (0000) after you set a different code. However, a power failure will reset the access code to 0000. See page 23.

Setting V-Chip (cont'd) 21

4 Press ▲ or ▼ to select the TV Rating level at which you want to block viewing, then press **ENTER** once.

When you select the rating category and set it to **BLOCK**, the higher ratings will turn to **BLOCK** automatically. Lower ratings will turn to **VIEW**.

When you turn "TV-Y" to **VIEW** (or **BLOCK**), all ratings will turn to **VIEW** (or **BLOCK**) automatically.

TV-Y	()	[VIEW]
TV-Y7	()	[VIEW]
TV-G	()	[VIEW]
TV-PG	()	[BLOCK]
TV-14	()	[BLOCK]
TV-MA	()	[BLOCK]

5 Press **ENTER** again to access a rating's subratings.

TV-Y7	[BLOCK]
▶ FV	[BLOCK]

Example:
TV-Y7 subratings

● **When you select TV-Y7:**

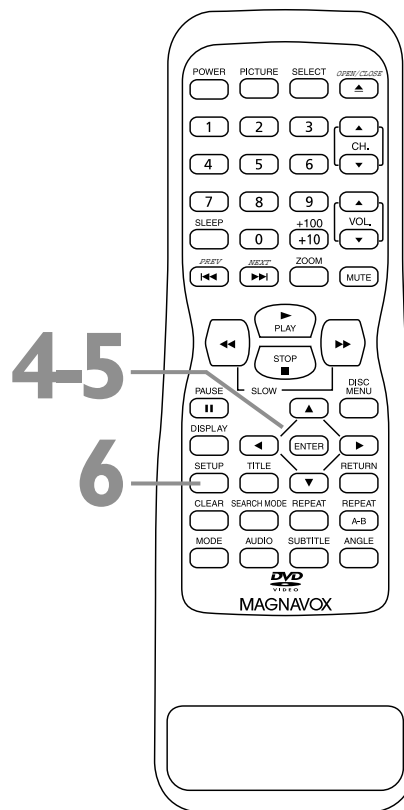
Press ▲ or ▼ to select **FV** (Fantasy Violence, violence that seems realistic to young children). Then, press **ENTER** to select **BLOCK** or **VIEW**.

● **When you select TV-PG, TV-14, or TV-MA:**

Press ▲ or ▼ to select "D" (Suggestive Dialog), "L" (Coarse Language), "S" (Sexual Situation), or "V" (Violence). Then, press **ENTER** to select **BLOCK** or **VIEW** for each subrating.

● **To go back to the previous menu, press **RETURN**.**

6 Press **SETUP** to save your settings and remove the menu.



Helpful Hints

- "D" for dialog is not available for TV-MA.
- Blocked subratings will appear beside the rating category in the TV RATING menu.
- To access the V-CHIP SET UP menu, the TV/DVD must be on a TV channel that is not blocked. If "PROTECTED PROGRAM ..." appears on the screen, change to a channel that is not protected (blocked).
- You cannot **BLOCK** a subrating (D, L, S, or V) if the main category is set to **VIEW**. However, you can set a subrating to **VIEW** even when the main category is set to **BLOCK**.
- Changing the category to **BLOCK** or **VIEW** automatically changes all its subratings to the same (**BLOCK** or **VIEW**).

22 Setting V-Chip (cont'd)

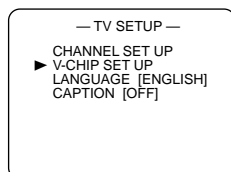
MPAA Ratings

You can block TV channel viewing according to the Motion Picture Association ratings. To do so, follow these steps.

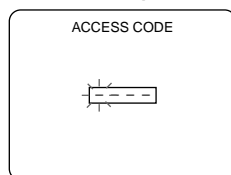
- Before you begin, press **SELECT** to put the TV/DVD in TV mode.

1 Press **SETUP**.

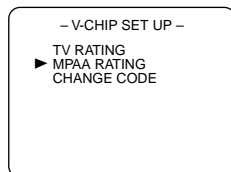
2 Press **▲** or **▼** to select **V-CHIP SET UP**. Then, press **ENTER**.



3 Press the **Number** buttons to enter the **four-digit access code**. (The default code is 0000 if you have not set your own code yet.)



4 Press **▲** or **▼** to select **MPAA RATING**. Then, press **ENTER**.

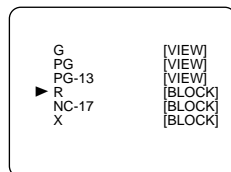


5 Press **▲** or **▼** to select the level at which you want to block viewing. Then, press **ENTER** to select **BLOCK** or **VIEW**.

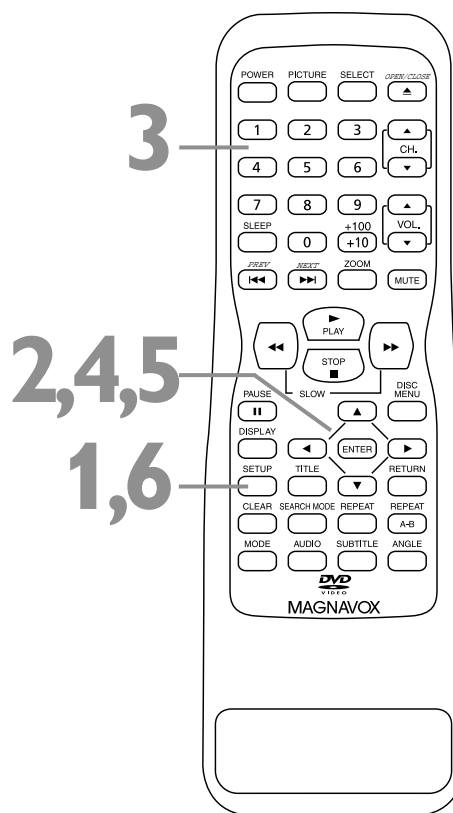
When you Block a category, higher ratings turn to BLOCK automatically. Lower ratings turn to VIEW automatically.

When you set G to VIEW or BLOCK, all ratings turn to VIEW or BLOCK automatically.

There are no subratings for the MPAA ratings.



6 Press **SETUP** to save your settings and remove the menus.



MPAA Rating Explanations

- G - General Audience
- PG - Parental Guidance suggested.
- PG-13 - Unsuitable for children under 13
- R - Restricted; under 17 requires accompanying parent or adult guardian
- NC-17 - No one under 17 admitted
- X - Mature audience only

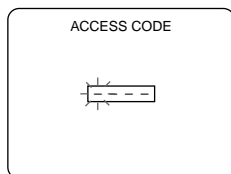
Setting V-Chip (cont'd) 23

Changing the Access Code

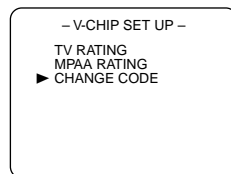
Although the default code 0000 is supplied with the TV/DVD, you can set your own access code.

- Before you begin, press **SELECT** to put the TV/DVD in TV mode.

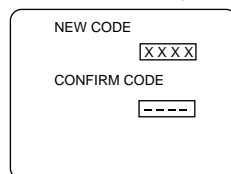
- 1 Press **SETUP**.
- 2 Press **▲** or **▼** to select **V-CHIP SET UP**. Then, press **ENTER**.
- 3 Press the **Number** buttons to enter the old access code. When doing this for the first time, use 0000.



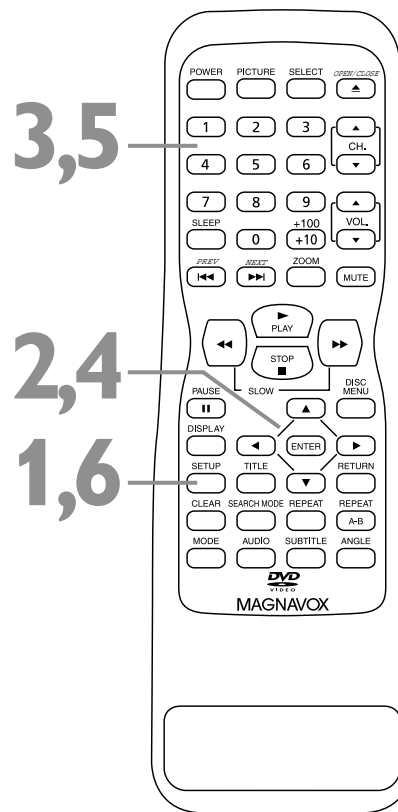
- 4 Press **▲** or **▼** to select **CHANGE CODE**. Then, press **ENTER**.



- 5 Press the **Number** buttons to enter your desired access code in the **NEW CODE** space. Then, enter the same code in the **CONFIRM CODE** space. The V-CHIP SET UP screen will reappear.
(Four Xs will appear on the screen instead of your code. This protects the code's identity. Your code must have exactly four digits.)



- 6 Press **SETUP** to save your settings and remove the menus.



Helpful Hints

- If you enter the wrong code in the **CONFIRM CODE** space, repeat step 5. Enter the same new code exactly in the **CONFIRM CODE** space.
- If the power fails, the default code will be active again (0000). Change your access code again as necessary.

24 Closed Captions

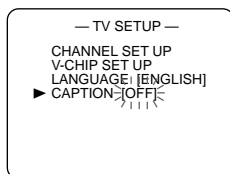
Follow the steps below to select closed captions for TV programming. Not all TV programs and commercials have closed captions or all types of closed captions (second language, half-screen text, etc.). If closed captioning is not broadcast, you cannot receive it. This does not indicate a problem with the TV/DVD. Check your TV program listings for shows with closed captions.

If the TV/DVD receives poor quality television signals, the captions may contain errors, or there might be no captions at all. Some possible causes of poor quality signals are:

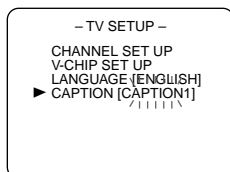
- Automobile ignition noise
- Electric motor noise
- Weak signal reception
- Multiplex signal reception (ghosts or screen flutter)

- **Before you begin, press SELECT to put the TV/DVD in TV mode.**

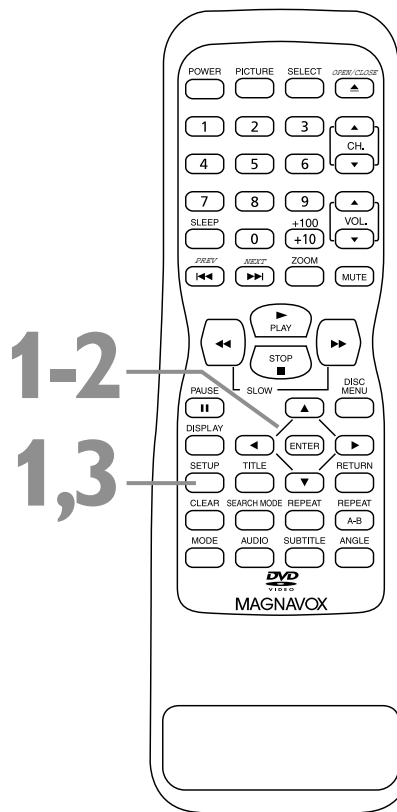
- 1 Press SETUP.**
Press ▲ or ▼ to select CAPTION.



- 2 Press ENTER repeatedly to select CAPTION1, CAPTION2, TEXT1, TEXT2, or OFF.**
CAPTION1 displays standard closed captions (what a character is saying). CAPTION2 displays foreign language closed captions (foreign language words showing what a character is saying).
TEXT1 and TEXT2 display half-screen text (such as a channel guide, schedule, or announcement).
OFF turns off closed captions.



- 3 Press SETUP to remove the menu.**



Helpful Hints

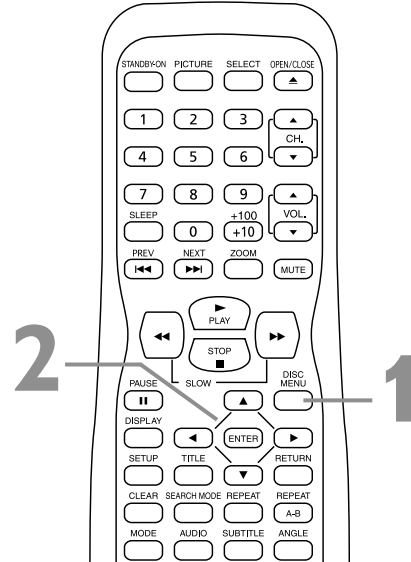
- The TV/DVD retains the Closed Caption setting if the power fails.
- Abbreviations, symbols, and other grammatical shortcuts may be used in order to keep pace with the on-screen action. This is not a problem with the TV/DVD.
- Changing channels may delay closed captions for a few seconds.
- Adjusting or muting the volume may delay closed captions for a few seconds.
- If Closed Captions are active, on-screen status displays will disappear after five seconds, then the captions will resume.

Disc Menus, Title Menus 25

Disc Menus

Some DVDs contain menus that describe the contents of the Disc or allow you to customize Disc play. These menus vary according to the features available on the Disc.

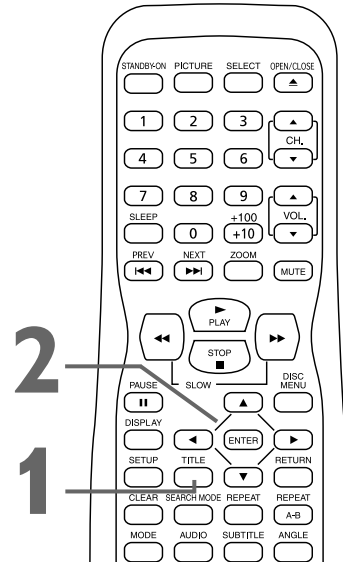
- 1 With the unit in DVD mode, press DISC MENU.** The DVD's Disc menu will appear.
- 2 Press ▲, ▼, ◀, or ▶ to select an item, then press ENTER.** Continue this process to set up all the features you want or to play the Disc.



Title Menus

Some DVDs have a Title Menu, which lists the Titles available on the Disc.

- 1 In DVD mode, press TITLE.** The Title Menu will appear.
If a Title menu is not available on the current Disc, the ✕ will appear in the top right corner of the TV screen. If the DVD only has a Disc menu as described above, it may appear when you press TITLE.
- 2 Press ▲, ▼, ◀, or ▶ to select a Title, then press ENTER.** Play will begin at the Title you selected.



Helpful Hints

- Menus vary among Discs. Follow the information with the DVD.
- Not all DVDs have Title menus. The TITLE button may not be active with all DVDs.
- Some DVDs may refer to Chapters as "scenes." Some DVDs may refer to the Title Menu as the "scene index."

26 Searching

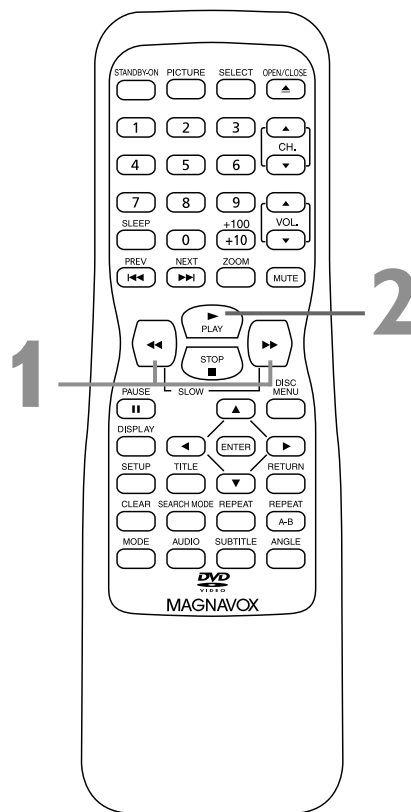
- 1 During Disc play, press ►► or ◀◀.**
- During DVD play, pressing ►► or ◀◀ will forward or reverse the picture at two, eight, 50, or 100 times the normal speed. An ◀◀ 2, ◀◀ 8, ◀◀ 50, or ◀◀ 100 will appear briefly on the screen to indicate reverse searching. Or, ►► 2, ►► 8, ►► 50, or ►► 100 will indicate forward searching. Sound will be mute during searching.



Example:
Searching backward
at twice the normal
playing speed.

- During Audio CD play, you may search only at 16 times the normal play speed. An ◀◀ 16 or ►► 16 will appear briefly on the screen. Sound will be intermittent during searching.
- During MP3 play, you can search at only eight times the normal speed. An ◀◀ 8 or ►► 8 will appear briefly on the TV. Sound will be intermittent during searching.

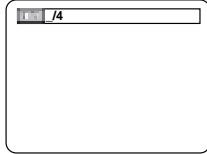
- 2 Press PLAY ► to return to normal play.**



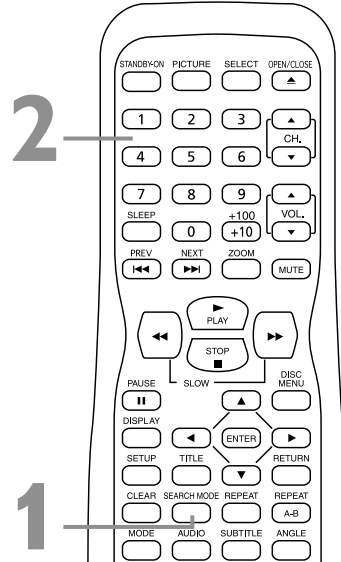
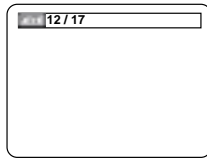
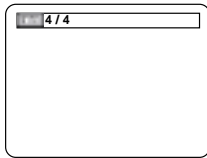
Title/Chapter Play, Time Search 27

Title/Chapter Play

- 1 During DVD play, press **SEARCH MODE** until CH (for Chapter) or TT (for Title) appears on the TV screen. The number of available Titles or Chapters will appear at the right (/4, for example).



- 2 Within 30 seconds, enter the Title or Chapter number using the Number buttons. The selected Title or Chapter will start to play.



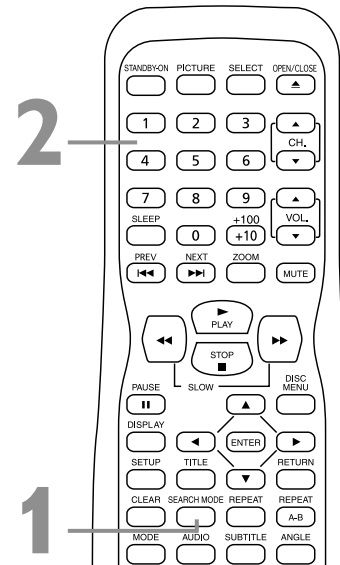
Time Search

- 1 During DVD or Audio CD play, press **SEARCH MODE** until the Time Search display appears.



- 2 Within 30 seconds, use the Number buttons to enter the elapsed playing time (of the current Track or Title) at which you want play to begin. Enter the time in hours, minutes, and seconds. Within a few seconds, play will start at the specified time.

- Example: 1 hour, 23 minutes, and 30 seconds
1 → 2 → 3 → 3 → 0
- Enter a time that is within the total time of the current Title or Track. If it is not, the time space will clear and play will continue at its current point. The total time available appears to the right of TOTAL.
- If you make a mistake entering the time, press CLEAR to clear the time area. Enter the correct information.



Helpful Hints

- Title/Chapter play is not available with some DVDs.
- Time Search is not possible with MP3 Tracks.

28 Track Selection

With the unit in DVD mode, there are three ways to play an Audio CD at a specific Track. Use the Number buttons, the SEARCH MODE button, or PREV ◀◀ and NEXT ▶▶.

A

Using the Number Buttons

Press the Number buttons to enter a Track number.

Play will start at the selected Track.

For single-digit Tracks (1-9), press a single Number button.

For Tracks 10 and above, press the +100/+10 button so the Search display (TR - -) appears on the TV. Press the Number button of the first digit, then press the Number button of the second digit. For example, to play Track 26, press +100/+10, then Number 2, then Number 6.

If you enter a Track number that is not available on the Disc, play will not begin (or the current Track will continue to play).

B

Using SEARCH MODE

Press SEARCH MODE so the Track Search display (TR _ _ /13, for example) appears. The total number of available Tracks appears at the right (/13, for example).

Within 30 seconds, press the Number buttons to select an available Track number. Play will begin at the selected Track. For a single-digit Track (1-9), enter a zero first. For example, to play Track 5, press 0, 5. You do not have to use the +100/+10 button in Search Mode for Tracks 10 or above. Just enter the two digits for the Track number.

If you enter a Track number that is not available on the Disc, play will not begin (or the current Track will continue to play).

C

Using PREV ◀◀ and NEXT ▶▶

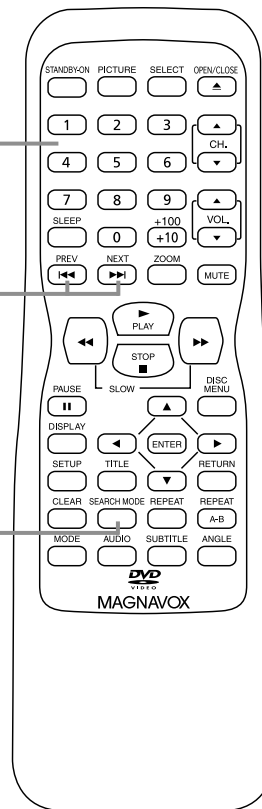
During play, press NEXT ▶▶ to skip the current Track and move to the next Track.

During play, press PREV ◀◀ to return to the beginning of the current Track or press repeatedly to go to previous Tracks.

A-B

C

B



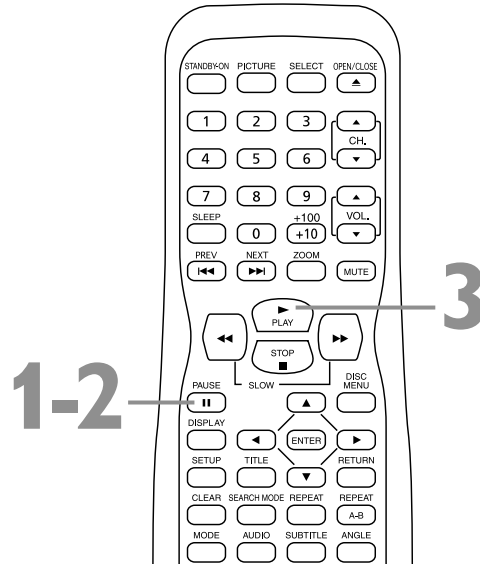
Helpful Hints

- PREV ◀◀ and NEXT ▶▶ are not active when play is stopped.
- You cannot use NEXT ▶▶ to go from the last Track on the Disc to the first Track.
- Search Mode is not available for MP3 Track selection.

Paused Play, Resume On 29

Paused Play

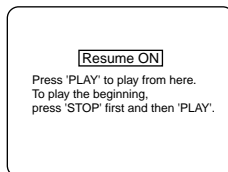
- 1 During play, press **PAUSE II**. Play will pause and the sound will be mute.
- 2 When playing a DVD, press **PAUSE II** repeatedly to see the picture advance one frame (or step) at a time. The sound will remain mute. Pressing PAUSE repeatedly during Audio CD, MP3, or JPEG play will have no effect.
- 3 Press **PLAY ►** to resume play.



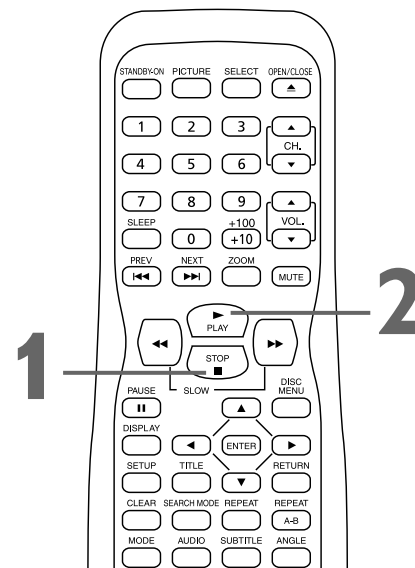
Resume On

You may choose to resume play from the point at which it stopped last.

- 1 Press **STOP ■** during DVD or Audio CD play. In a few seconds, the following Resume message will appear on the TV screen.



- 2 Press **PLAY ►**. In a few seconds, play will resume from the point at which it stopped last. Opening the disc tray or turning off the TV/DVD will cancel the Resume feature. Play will start at the beginning the next time you insert the Disc. Or, to cancel Resume and start playing the Disc from the beginning, press **STOP ■** a second time while play is stopped. The Stop symbol (■) will appear briefly on the TV screen. Press **PLAY ►** to start playing the Disc from the beginning.



Helpful Hint

- Resume On is not available for MP3 or JPEG files. The file list will appear when you stop play.

30 Repeat, A-B Repeat

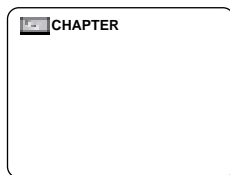
Repeat

1 During Disc play, press REPEAT until the repeat mode you want appears on the TV.

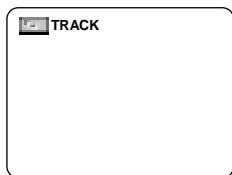
On a DVD, select CHAPTER, TITLE, or OFF.

On an Audio CD, select TRACK, ALL (all Tracks on the Disc), or OFF.

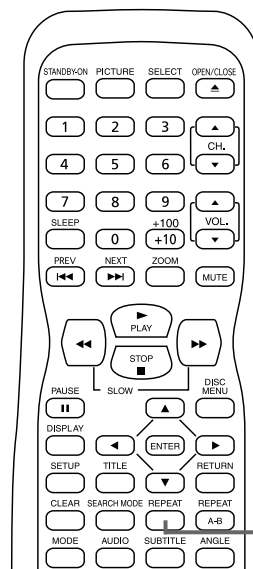
With MP3 files, select TRACK, GROUP (all Tracks in the current Folder), ALL, or OFF. Selecting a new Track, Chapter, or Title will cancel repeat play.



Example:
Repeat a DVD Chapter



Example: Repeat an Audio CD or MP3 Track



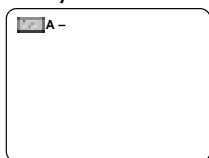
A-B Repeat

You can play a section of an Audio CD or DVD repeatedly. Follow these steps to set up the section you want to play.

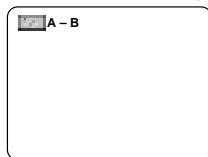
1 Press PLAY ► to play the Disc to the point at which you want repeated play to begin.

2 Press REPEAT A-B to set the starting point (A).

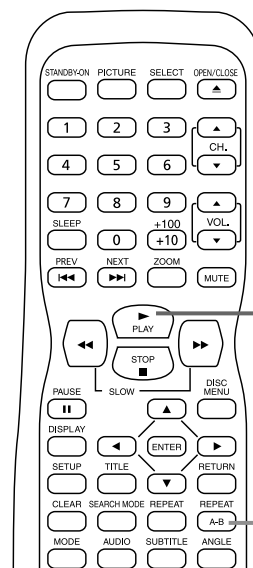
If you make a mistake, press CLEAR. This will erase point A and let you start over. OFF will appear briefly on the TV screen.



3 Play the Disc to the point at which you want repeated play to end, then press REPEAT A-B again. Within a few seconds, the section will begin to play. The segment will play over and over until you cancel the A-B Repeat feature.



4 To cancel A-B Repeat Play, press REPEAT A-B so OFF appears on the TV screen. Regular Disc play will resume.



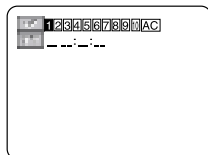
Helpful Hints

- Repeat play is not available with some Discs.
- The entire A-B Repeat section must be within a single Title or Track. If you do not enter Point B before the end of the Track or Title is reached, the end of the Track or Title will become Point B.
- Point B must be later on the Disc than Point A.

Markers 31

Use Markers to remember your favorite places on an Audio CD or DVD. To set the Markers, follow these steps.

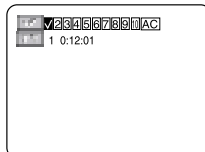
- 1 Play the Disc to within 30 seconds prior to the point at which you want to set the Marker. **During play, press SEARCH MODE until the Markers appear at the top of the TV screen.**



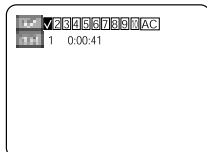
DVD example

- 2 Within 30 seconds, press ◀ or ▶ to select a Marker (1-10). Make sure __ : __ : __ appears beneath the number.

- 3 Let the Disc play to the point at which you want to set the Marker (up to 30 seconds away).
When the Disc reaches the point you want to remember, press ENTER. The Title number and elapsed playing time (DVD) or Track number and its elapsed playing time (Audio CD) will appear. A checkmark will replace the Marker number. The Marker display will disappear in about 30 seconds, or press SEARCH MODE again to remove the Marker display.

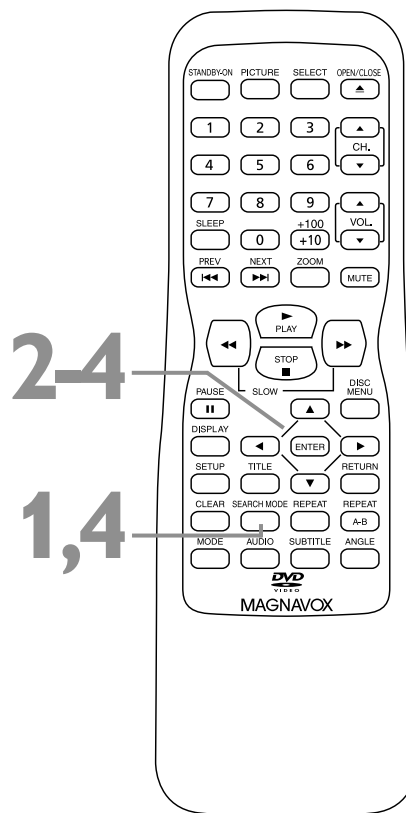


DVD example



Audio CD example

- 4 To return to a Marker during play, press SEARCH MODE until you see the Markers. Press ◀ or ▶ to choose the Marker you want (a checkmark), then press ENTER. Disc play will continue from the marked point.



Helpful Hints

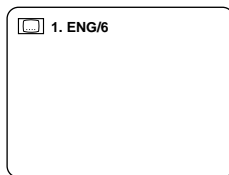
- Opening the disc tray or turning off the TV/DVD will erase all the Markers.
- To erase a single Marker, press SEARCH MODE until you see the Markers. Press ◀ or ▶ to select a Marker (a checkmark). Press CLEAR. Press SEARCH MODE to remove the display.
- To erase all the Markers, press SEARCH MODE until you see the Markers. Press ▶ repeatedly to select AC (All Clear), then press ENTER. Press SEARCH MODE or RETURN to remove the Markers.

32 Subtitles, Angles

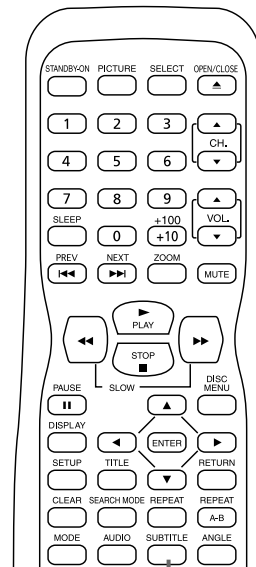
Subtitles

Select a language for DVD subtitles during play. You may select only the subtitles that are available on the Disc.

- During play, press **SUBTITLE** repeatedly to select a subtitle language.** The number of available languages appears at the right of the subtitle display. In the example below, six languages are available (/6). After a few seconds, the subtitles will appear. Or, press SUBTITLE repeatedly to turn off subtitles. OFF will appear beside the Subtitle symbol on the TV screen.



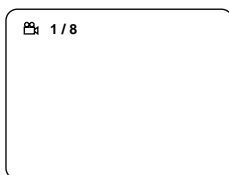
Example:
English as first of six
available subtitles



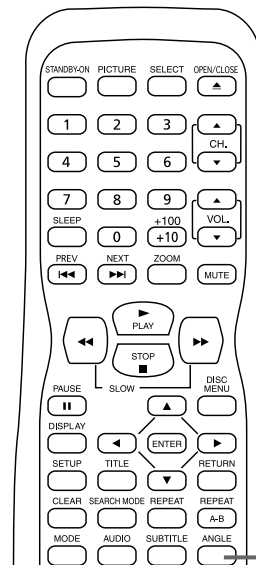
Angles

Some DVDs contain scenes recorded from different angles or perspectives. The camera angle will not change if the DVD does not contain sequences recorded from different camera angles.


- During play, press **ANGLE** repeatedly to select a different angle.** The number of available angles appears at the right of the Angle display. In this example, eight angles are available (/8).



Example:
Angle 1 of eight
available angles



Helpful Hints

- With some DVDs, you must select Subtitles in the Disc menu.
- If the desired language does not appear after pressing SUBTITLE several times, the Disc does not have subtitles in that language.
- Opening the disc tray or turning off the TV/DVD will cancel your subtitle setting.
- If the current portion of the Disc has multiple camera angles,  will appear in the top right corner of the TV screen. ANGLE ICON must be ON. See page 43.

Slow Motion, Zoom 33

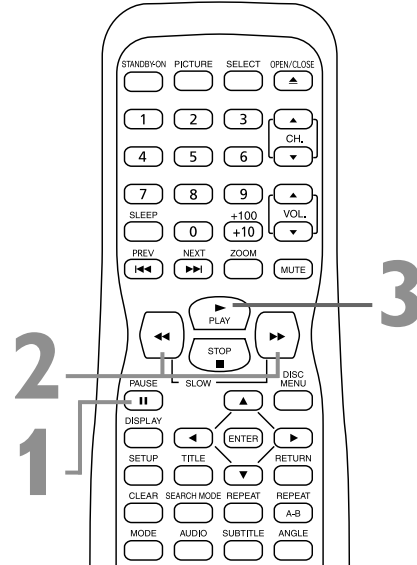
Slow Motion

- 1 Press **PAUSE II** during DVD play.
- 2 Press **▶▶** or **◀◀**. Slow motion play will begin. Press **▶▶** or **◀◀** repeatedly during slow motion to play the DVD forward or backward at 1/16, 1/8, or 1/2 the normal speed.



Example:
Playing a DVD forward at half the normal speed.

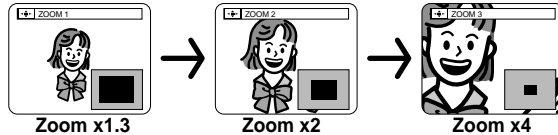
- 3 Press **PLAY ▶** to return to normal play.



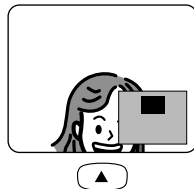
Zoom

You can enlarge the DVD picture to 1.3, two, or four times the regular size.

- 1 Press **ZOOM** repeatedly during play to make the picture 1.3, two, or four times larger than normal.

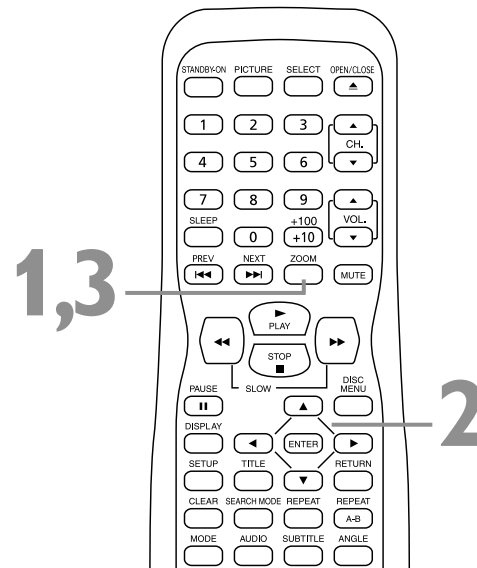


- 2 Press **▲**, **▼**, **◀**, or **▶** to move the zoomed image up, down, left, or right.



The gray box with an inner blue box that shows during Zoomed play is the position guide. To remove it or show it, press **ENTER**. The position of the blue box inside the gray box indicates the position of the zoomed image within the overall picture.

- 3 To return the picture to its normal size, press **ZOOM** repeatedly.



Helpful Hint

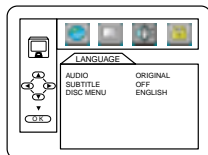
- The sound will be mute during slow motion.

34 Parental Password

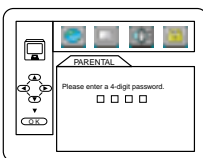
The Parental feature prevents viewing of DVDs that exceed your rating limits. You need a password to change the Parental settings or to play a blocked Disc.

1 With the unit in **DVD mode**, press **SETUP** twice while play is stopped. The **QUICK SETUP** screen will appear.

2 Press **►** to select **CUSTOM** at the top of the menu, then press **ENTER**.

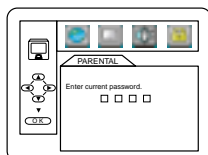


3 Press **►** to select **8** (the lock) at the top of the menu, then press **ENTER**. The first time you set a password, this menu will appear.



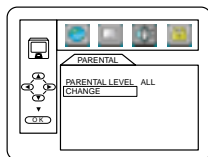
Press the **Number** buttons to enter a **four-digit password**. The password will appear on the screen. Write it down so you don't forget it.
Press ENTER. You are finished!
Skip to step 6.

If you have set a password before, this menu will appear.



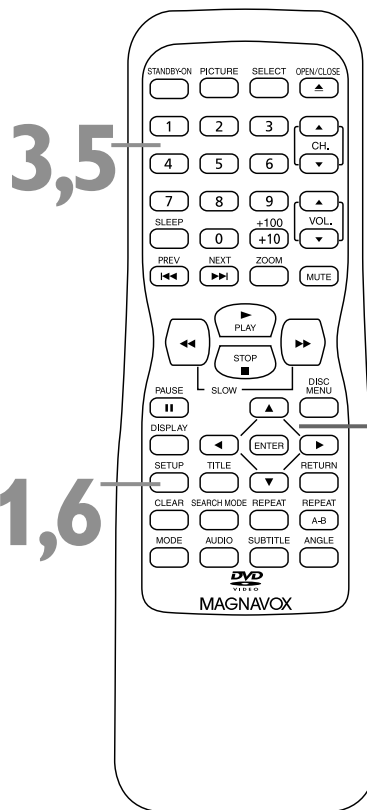
Press the **Number** buttons to enter your **current four-digit password**. Asterisks (*) will appear instead of your password. This protects its identity.

4 Press **▼** to select **CHANGE**, then press **ENTER**.



5 Press the **Number** buttons to enter a **four-digit password**. The password numbers will appear on the screen. Write down the password so you will not forget it. **Press ENTER**. The previous menu will reappear.

6 Press **SETUP** to remove the menu.



Helpful Hints

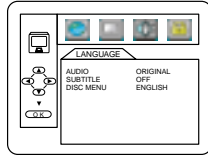
- This feature will not limit viewing if the DVD is not rated or coded. Check your DVDs and settings before letting children access the TV/DVD. The Parental feature affects only DVD viewing. It does not block TV programming. To block TV viewing, change the V-Chip settings. See pages 20-23.
- The default password is 4737. If you forget your password, press Number buttons 4, 7, 3, 7 at step 3. You will be prompted to enter a new four-digit password. Use the Number buttons to enter a new four-digit password, then press ENTER. PARENTAL LEVEL will reset to ALL. Press SETUP to remove the menu. See page 35 to reset PARENTAL LEVEL.
- A power failure will not erase your password.

Parental Levels 35

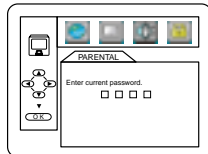
Follow these steps to set the rating level for your DVDs.
DVDs whose ratings exceed the level you set will not play.

1 With the unit in DVD mode, press **SETUP** twice while play is stopped. The QUICK SETUP screen will appear.

2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.

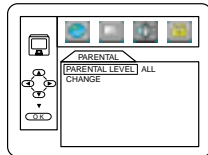


3 Press **▶** to select **8** (the lock) at the top of the menu, then press **ENTER**.



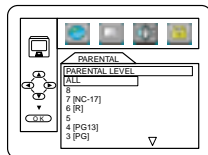
4 Press the Number buttons to enter your four-digit password. Asterisks (*) will appear on the screen instead of numbers to protect the identity of the password. See page 34.

5 Press **▲** to select **PARENTAL LEVEL**, then press **ENTER**.

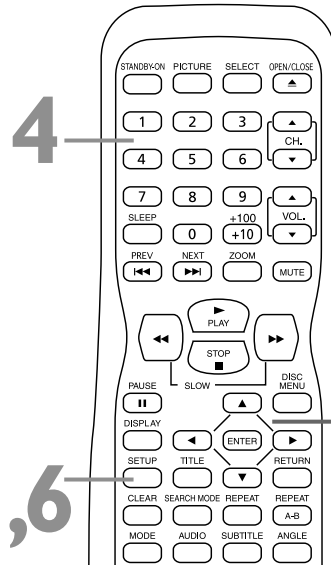


6 Press **▲** or **▼** to select a level, then press **ENTER**.

The rating levels continue on two menu screens. Press **▲** or **▼** repeatedly to move to the next or previous screen to find the rating level you want. After making your selection, the previous menu will appear. The level you selected will appear beside PARENTAL LEVEL. DVDs that have a higher or stricter rating will not play.



7 Press **SETUP** to remove the menu. The Parental settings will take effect the next time you insert a DVD.



RATING EXPLANATIONS

- ALL - The Parental feature is inactive; all discs can play.
- 8 - Adult material
- 7 - NC-17 - Not appropriate for children under 17
- 6 - R - Restricted; parental approval required for viewers under 18.
- 5 - More mature material than PG13, but less restrictive than R
- 4 - PG13 - Unsuitable for children under 13
- 3 - PG - Parental Guidance suggested.
- 2 - More mature material than G, but not as sensitive as PG.
- 1- G - General Audience; recommended for all ages.

Helpful Hints

- When you try to play a DVD whose rating exceeds the level you set, an on-screen message will indicate the DVD cannot play. Remove the DVD, then set PARENTAL LEVEL to ALL. Reload the DVD and begin play. Some DVDs may let you enter your four-digit password to begin play. Follow the on-screen messages as prompted.
- You cannot use the default password (4737) to play a DVD.

36 Audio Language, Stereo Sound

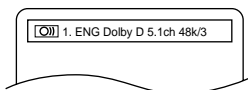
Audio Language

You can select a language for DVDs during play if multiple languages are available.

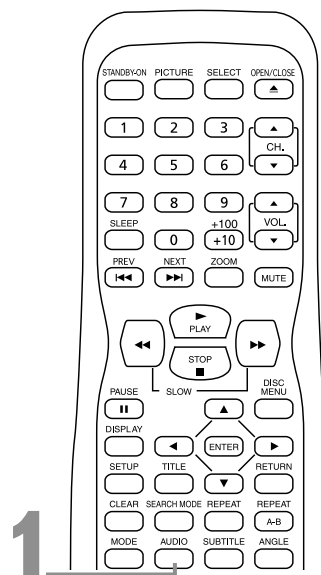
- 1 During DVD play, press **AUDIO** repeatedly to choose one of the available languages. The new audio will be heard. The display will disappear after about five seconds.

The Audio display may show if the DVD has Dolby Digital or multi-channel (5.1 CH) sound or display its sampling rate (48k, for example).

The number of available languages appears after the “ / ” at the right of the display (/3, for example).



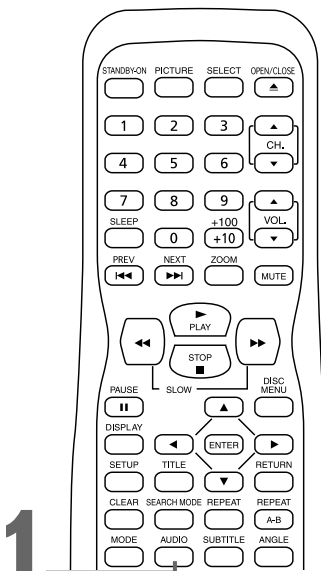
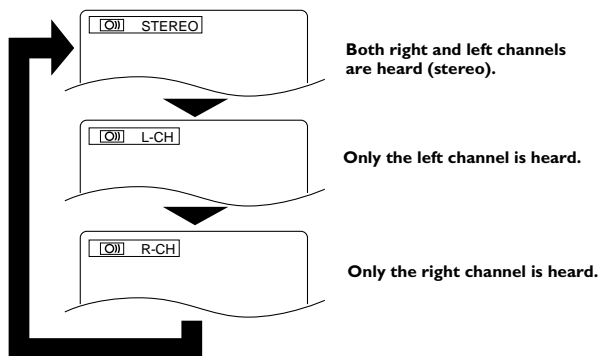
Example: English audio



Stereo Sound

Adjust Stereo Sound to determine whether you will hear the left channel, the right channel, or both channels (stereo) during Audio CD play.

- 1 Press **AUDIO** repeatedly during Audio CD play to choose **STEREO**, **L-CH**, or **R-CH**.



Helpful Hints

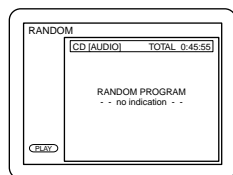
- If a language is not available after pressing **AUDIO** several times, the DVD does not have that language.
- Some DVDs only let you change the language in the Disc menu.
- Audio languages may be abbreviated (such as **ENG** for English). Or, three dashes (- - -) may appear instead of an abbreviation.
- You cannot adjust Stereo Sound if Virtual Surround is set to 1 or 2. See page 44.

Random Play, Programs 37

Random Play

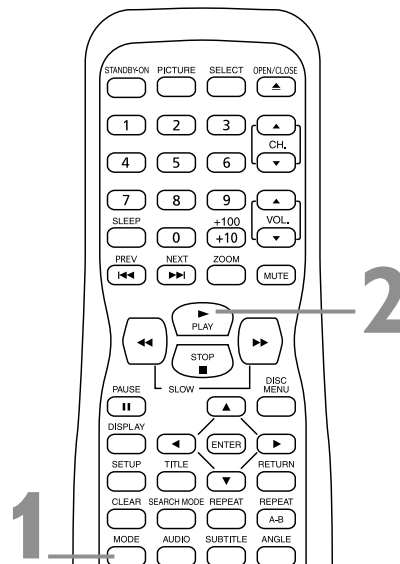
You may play the Tracks of an Audio CD in Random order instead of the order in which they are recorded (1,2,3...). You can also use this feature for JPEG and MP3 files.

- 1 With the unit in DVD mode and play stopped, press **MODE** repeatedly until the **RANDOM** screen appears.



Example: Audio CD

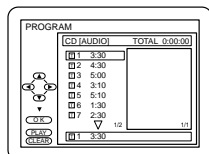
- 2 While the **RANDOM** screen appears, press **PLAY** ►. The Tracks will play in random order. After all the Tracks play once, play will stop.



Programs

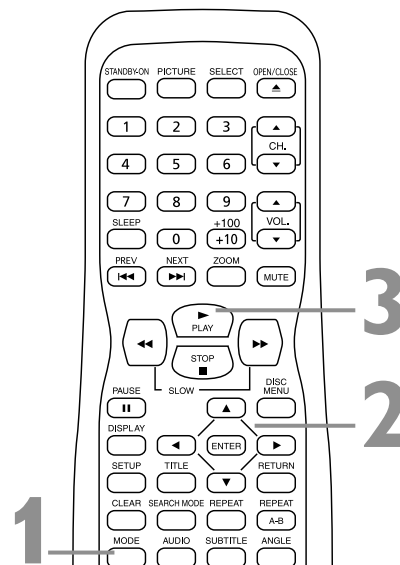
You can set Audio CD Tracks or MP3/JPEG files to play in a special order by following these steps.

- 1 With the unit in DVD mode and play stopped, press **MODE** repeatedly until the **PROGRAM** screen appears.



Audio CD example

- 2 Press **▲** or **▼** to select a track you want to play, then press **ENTER**. Press **CLEAR** to erase the last Track in the Program if you make an error. Additional Tracks may be on other screens. Press **▼** or **▲** to see all the Tracks. Repeat this step until you have selected all the Tracks you wish to play in the Program. A Program can have a maximum of 99 Tracks.
- 3 Press **PLAY** ►. The Tracks will play once in the order you set. Turning off the TV/DVD or opening the disc tray will erase the Program. You can start Program play only while in the Program screen. You cannot alter a Program during play.



Helpful Hints

- You cannot use the Number buttons or **SEARCH MODE** to select Tracks while playing a Program. Use **NEXT** ►► or **PREV** ◄◄.
- You cannot combine random play with programmed play.
- To play a Program or one of its Tracks repeatedly, press **REPEAT** so **TRACK** or **ALL** (all Tracks in the Program) appears. Choose **OFF** to stop repeat play.

38 MP3/JPEG Play

The TV/DVD will play MP3 or JPEG files that you record and finalize on a CD-RW (Compact Disc-Rewritable) or CD-R (Compact Disc-Recordable).

These Discs may contain pictures in a JPEG format or audio Tracks in an MP3 format. For example, you may have photographic film developed by a retailer that places the pictures on a CD-R for you. These pictures may be in JPEG format. Or, you may copy or download MP3 music files from certain legal Internet sites, then copy those files onto a CD-R or CD-RW.

You cannot make or record such Discs using this TV/DVD. See your computer manual for details on recording.

Keep these characteristics in mind when making Discs you intend to play on the TV/DVD.

- Record MP3 Tracks at a sampling frequency of 44.1 kHz or 48 kHz. Use a bit rate between 112 kbps and 320 kbps.
- When recording JPEG Files, the size of the picture should be between 32 x 32 and 6300 x 5100 dots.

1 When you put a CD-RW or CD-R with MP3 or JPEG files in the Player, the File List may appear on the TV screen, or play may begin immediately. To see the File List during play, press SEARCH MODE. The current Track will be highlighted.

Press ▲ or ▼ to select a Folder, MP3 Track, or JPEG File.

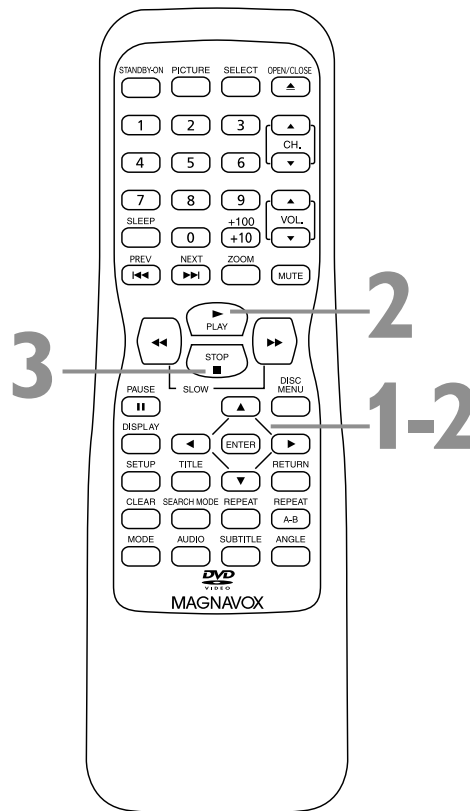
2 If you choose a Track or File, press **PLAY ►** or **ENTER**. Starting with the Track or File you selected, the Tracks/Files will play in the order they were recorded.

If you select a Folder and press ENTER, the Tracks or Files within that Folder will appear.

Press ▲ or ▼ to select the Track or File you want, then press PLAY ► or ENTER.

- Choose FIRST PLAY to start play from the first individual File or Track listed.
- Press TITLE to return to the first MP3 or JPEG screen. Press ◀ to return to previous screens.
- During JPEG play, press MODE until you see JPG 1 or JPG 2. Then, within five seconds, press ENTER to switch between JPG 1 and JPG 2. If you choose JPG 1, the images will cut in and out sharply as play progresses. If you choose JPG 2, the images will fade in and out as play progresses. For example, File 1 will fade out, then File 2 will appear, gradually “fading in.”

3 To stop play, press **STOP ■**. The File List will appear.



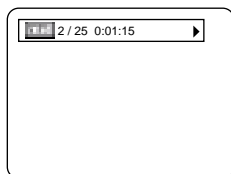
Helpful Hints

- JPEG images and MP3 Tracks are known as Files. Groups of Files are called Folders.
 - JPEG Files have the ☺ icon.
 - A maximum of 255 Folders can be recognized. A maximum of 256 Files can be recognized.
 - MP3 Files have the 🎵 icon.
 - During play, press the Number buttons to select a Track. Enter single-digit Track numbers as a single digit. For double-digit numbers, press +100/+10, then the two digits of the Track number. This is not possible if the File List is on the screen.
- Press **NEXT ►►** or **PREV ◄◄** to change Tracks. If a Track is not available, “X” will appear. Play may resume at an incorrect Track or continue with its current Track.

MP3/JPEG Displays 39

You can review MP3 and JPEG information during play.

- 1 Press **DISPLAY** until the current Track/File number, total Tracks/Files available, and elapsed playing time of the current Track (MP3 only) appear.



MP3 Track example

The following may appear to indicate Repeat play.

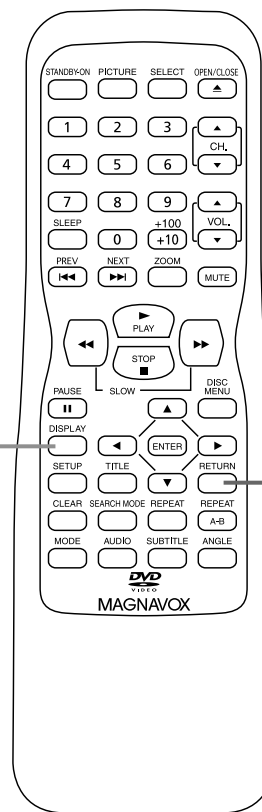
↺⏮ : The current Track/File will play repeatedly.

↺⏮ : Tracks/Files in the current Folder (Group) will play repeatedly.



↺⏮ : All Tracks/Files on the current Disc will play repeatedly.

- 2 Press **DISPLAY** or **RETURN** to remove the display.

1-2



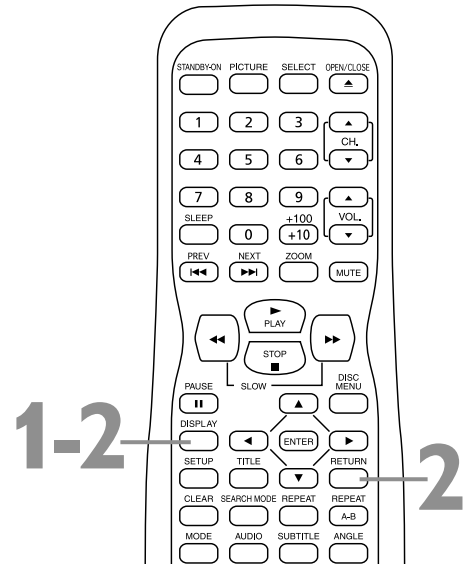
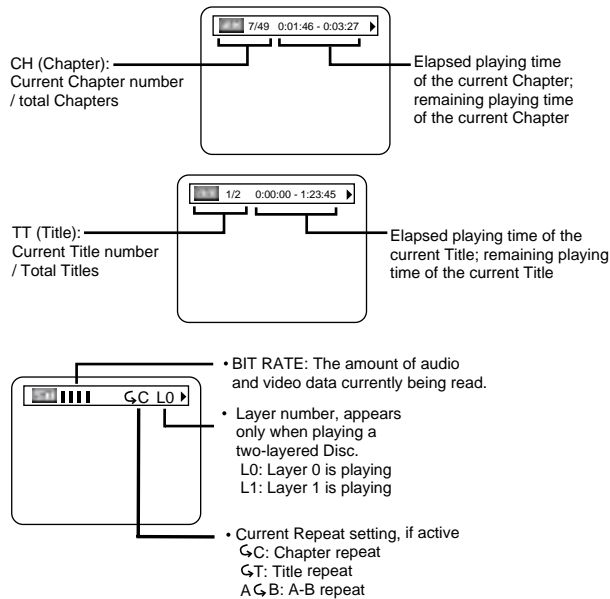
Helpful Hints

- During MP3 play, the  icon and the current Track name or number will appear when you first press DISPLAY.
- During JPEG play, the  icon and the current Track/File number or name will appear when you first press DISPLAY.

40 On-Screen Displays

DVD Display

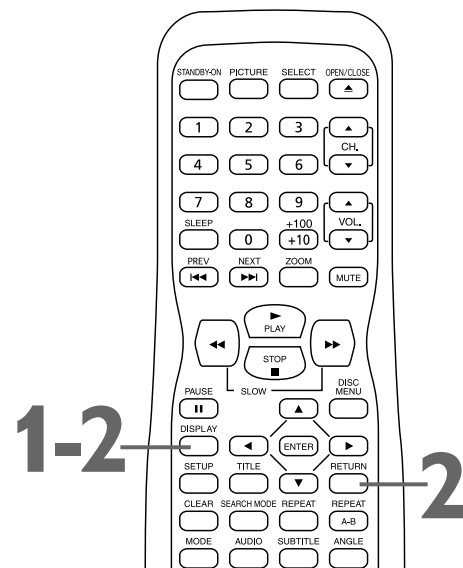
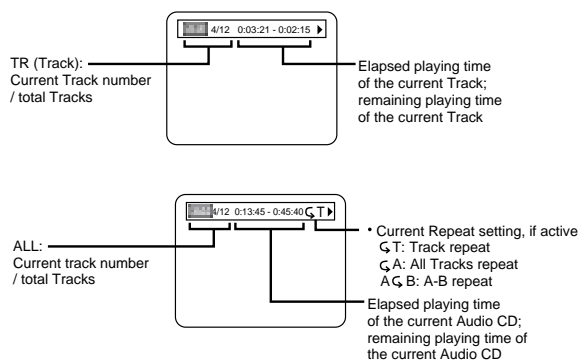
- 1 Press **DISPLAY** repeatedly to see the following displays during DVD play.



- 2 Press **DISPLAY** repeatedly or press **RETURN** to remove the display.

Audio CD Display

- 1 Press **DISPLAY** repeatedly to see the following displays during Audio CD play.

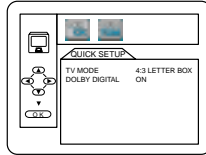


- 2 Press **DISPLAY** repeatedly or press **RETURN** to remove the display.

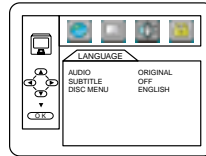
Audio Settings 41

Change Audio settings based on other equipment you connect to the TV/DVD or according to your Disc sound features.

- 1 With the unit in DVD mode and play stopped, press **SETUP** twice. The QUICK SETUP screen will appear.



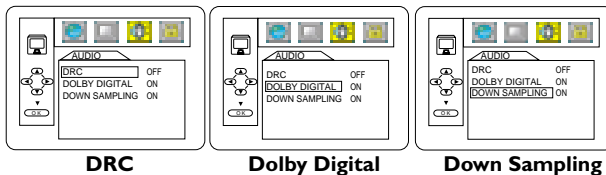
- 2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.



- 3 Press **▶** repeatedly to select **AUDIO** (), then press **ENTER**.

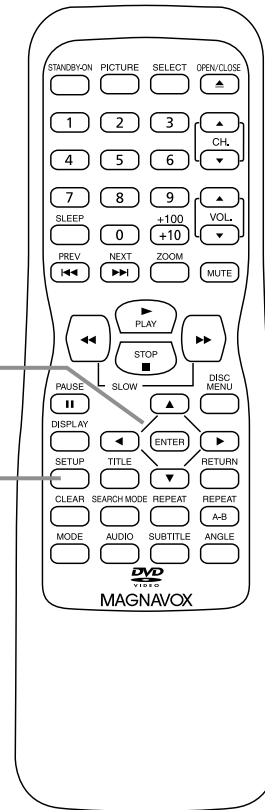
- 4 Press **▲** or **▼** to select **DRC**, **DOLBY DIGITAL**, or **DOWN SAMPLING**, then follow step 5 accordingly.

- 5
 - If you selected DRC, press **ENTER** repeatedly to turn Dynamic Range Control (DRC) ON or OFF. Choosing ON compresses the range of volume by suppressing loud sounds and raising low sounds.
 - If you selected DOLBY DIGITAL, press **ENTER** repeatedly to select ON or OFF. Select ON if you used the COAXIAL Out jack to connect the TV/DVD to a stereo that is Dolby Digital compatible. See page 10. Otherwise, choose OFF.
 - If you selected DOWN SAMPLING, press **ENTER** repeatedly to choose ON or OFF. Choose ON to set downsampling to 48 kHz. Choose OFF to set downsampling to 96 kHz.



- 6 Press **SETUP** to remove the menu.

2-5
1,6



Helpful Hints

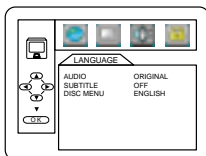
- Dolby Digital sound must be available on the DVD.
- You can adjust DOLBY DIGITAL in the QUICK SETUP menu that appears when you first press SETUP twice. With QUICK selected, press ENTER. Press ▼ to select DOLBY DIGITAL. Press ENTER to choose ON or OFF. Press SETUP to exit the menu.
- When you play a copy-protected Disc, downsampling will be at 48 kHz, even if you set DOWN SAMPLING to OFF.

42 Language Settings

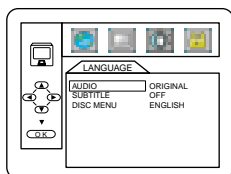
You may choose different languages for the Audio, Subtitles, or Disc menus of DVDs.

1 With the unit in DVD mode and play stopped, press **SETUP** twice. The QUICK SETUP screen will appear.

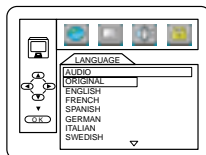
2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.



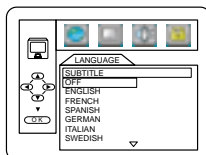
3 The Language menu () will be selected. Press **ENTER**.



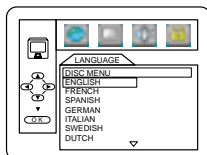
4 Press **▲** or **▼** to select **AUDIO**, **SUBTITLE**, or **DISC MENU**. Then, press **ENTER**. The language options for the selected item will appear.



AUDIO:
The DVD's audio plays in the selected language.



SUBTITLE:
Subtitles appear in the chosen language.

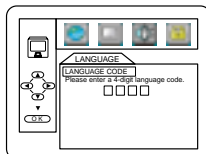


DISC MENU:
A DVD's Disc menu appears in the chosen language.

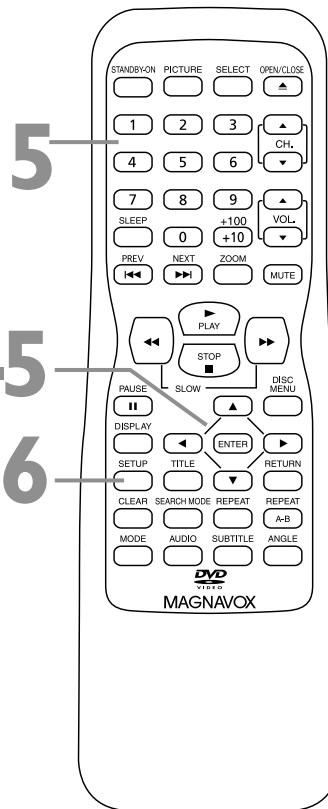
5 Press **▲** or **▼** to select a language, then press **ENTER**. The language lists may continue on multiple screens. Press **▲** or **▼** to move to the other screens.

● If you select **OTHER**, press four Number buttons to enter the code for the language you desire. Use the four-digit Language Codes on page 46. The language or language code you select will appear in the Language menu beside **AUDIO**, **SUBTITLE**, or **DISC MENU**.

● You can select only languages available on the Disc. If the language is not recorded on the DVD, changing these settings will have no effect.



6 Press **SETUP** to remove the menu.



Helpful Hints

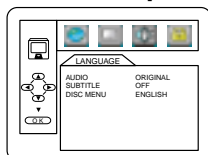
- If the DVD's default settings for Audio and Subtitle are the same language, the subtitles may not show unless you turn them on.
- Use the **AUDIO** and **SUBTITLE** buttons to quickly select Audio and Subtitles available on the DVD. See pages 32 and 36.
- If you set **AUDIO** to **ORIGINAL**, the default setting of the DVD Audio will play.

Display Settings 43

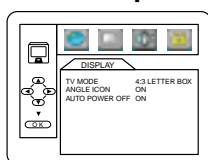
You can adjust TV Mode, Angle Icon, and Automatic Power Off in the Display menu.

1 With the unit in DVD mode and play stopped, press **SETUP** twice. The QUICK SETUP screen will appear.

2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.



3 Press **▶** to select **■ (DISPLAY)** at the top of the menu, then press **ENTER**.



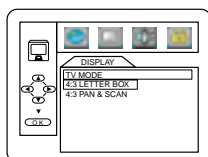
4 Press **▲** or **▼** to select an item. Press **ENTER**.

● If you selected **TV MODE**, press **▲** or **▼** to select a setting, then press **ENTER**.
Choose **4:3 LETTER BOX** to see the widened DVD picture with black bars at the top and bottom of the screen. This simulates watching movies in a theater. This is possible only if the DVD was recorded in the letter-box or widescreen format.

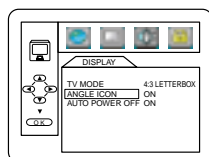
Choose **4:3 PAN & SCAN** for a full height picture, with both sides trimmed. Some companies refer to this as reformatting the picture to fit your TV screen and may call it the regular or normal format.

● If you selected **ANGLE ICON**, press **ENTER** repeatedly to turn it ON or OFF. The default setting is ON. Choose ON to see the Angle icon when multiple camera angles are available during DVD play. See page 32. Choose OFF to disable the Angle icon.

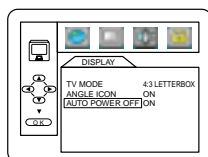
● If you selected **AUTO POWER OFF**, press **ENTER** repeatedly to turn it ON or OFF. The default setting is ON. Choose ON and the TV/DVD will turn off if there is no activity in DVD mode for 20 minutes.



TV MODE



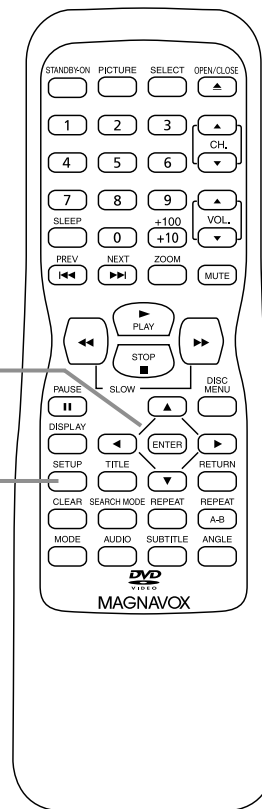
ANGLE ICON



AUTO POWER OFF

5 Press **SETUP** to remove the menus.

2-4
1,5



Helpful Hints

- Selecting a different TV MODE setting is only effective if it is available on the DVD. Check the DVD Disc menu or case for details.
- You also can adjust TV MODE in the QUICK SETUP menu that appears when you first press the SETUP button twice. With QUICK selected, press ENTER. TV MODE will be selected, so press ENTER. Press **▲** or **▼** to choose a setting, then press ENTER. Press SETUP to remove the menu.

44 Black Level, Virtual Surround

Black Level

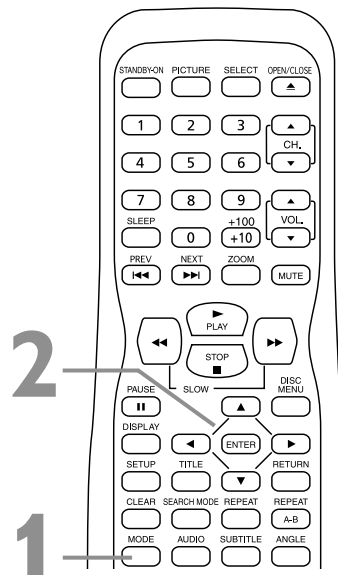
Adjust Black Level to brighten the DVD picture.

- 1 During DVD play, press **MODE** so the Black Level icon shows in the top left corner of the TV screen.



ON

- 2 Within 10 seconds, press **ENTER** repeatedly to choose **ON** or **OFF**. ON brightens the dark parts of the picture. OFF shows the original picture as recorded.



Virtual Surround

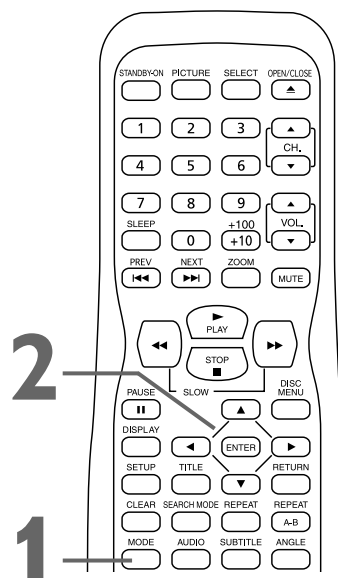
You can enjoy improved stereo sound when you play DVDs, Audio CDs, or MP3 files recorded in Dolby Digital or Pulse Code Modulation (PCM). Check the Disc case for details on availability.

- 1 During Disc play, press **MODE** so the Virtual Surround icon appears in the top left corner of the TV screen.
- 2 While the Virtual Surround icon appears, press **ENTER** repeatedly to choose 1, 2, or OFF. The default setting is OFF. The icon will disappear after about 10 seconds.



OFF

You may want to play the Disc for a few minutes in each setting to decide which you prefer.



Helpful Hint

- You can change Virtual Surround only if you set Stereo Sound to Stereo. See page 36.

Helpful Hints 45

.....
If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

Location

For safe operation and satisfactory performance of your TV/DVD, remember the following:

- Shield it from direct sunlight and keep it away from sources of intense heat.
- Avoid dusty or humid places.
- Avoid places with insufficient ventilation. Do not block the ventilation openings at the top and bottom of the TV/DVD. Do not place the unit on a carpet, as this will block the ventilation openings.
- Avoid locations subject to strong vibrations.
- Do not place the TV/DVD near strong magnetic fields.
- Do not move the TV/DVD suddenly from a cold place to a hot place, or vice versa.

Electrical Shock and Fire Hazards

- Do not handle the power cord with wet hands.
- Do not pull the power cord when disconnecting the TV/DVD from the AC (alternating current) wall outlet. Grasp it by the plug.
- If you spill water on the TV/DVD, unplug the power cord immediately and take the TV/DVD to an authorized service center.
- Do not put your fingers or objects into the disc tray.
- Do not place anything on top of the TV/DVD.

Channel reception is poor.

- Check connections, then set up the TV channels again. See *pages 11 and 17*.

TV/DVD has no power.

- Connect the power plug to an AC (alternating current) outlet securely.

Disc cannot play.

- Insert a playable Disc. Make sure the Disc is labelled for Region 1 or ALL regions and is NTSC compatible. See *page six*.
- Place the Disc securely in the recessed area of the Disc tray. If the Disc is one-sided, place the Disc in the tray with the label facing up. If the Disc is two-sided, make sure the label of the side you want to play is facing up.
- Clean the Disc. Make sure the Disc is not scratched or warped.
- Cancel the Parental Controls, enter the password, or change the control level. See *pages 34-35*.

TV/DVD does not have a picture.

- Adjust the antenna or check the Cable TV or satellite signal connection. If using a Cable Box/Satellite Receiver, set the TV/DVD to channel 3 or 4 or AUX. Change TV channels at the Cable Box/Satellite Receiver. See *page eight*.
- Adjust the picture controls. See *page 19*.
- Select an active TV channel. See *pages 17-18*.
- Make sure the Disc is compatible with the DVD Player of the TV/DVD. See *page six*.

TV/DVD has poor sound or no sound.

- Press VOL. ▲ or ▼ to adjust the volume. Press MUTE to restore the volume.
- Check the audio settings for DVD mode. See *page 41*.
- Check the audio language settings of the Disc. For example, you may have selected a soundtrack or an unavailable sound setting (such as Dolby Digital). See *pages 36 and 42*. Try other sound options provided in the DVD Disc menu.

You cannot choose a DVD feature, such as camera angle or audio or subtitle language.

- The feature must be on the DVD. Refer to the Disc case to see what features are available. If the feature is not available, the ✕ will appear on the TV screen. See *page five*.

TV/DVD does not display closed captions for TV programs.

- Make sure closed captioning is available for the program. Check the TV listings in your newspaper. See *page 24*.

Remote control does not operate the TV/DVD.

- Aim the remote control directly at the remote sensor on the front of the TV/DVD. See *page 13*.
- Remove all obstacles between the remote control and the TV/DVD.
- Inspect and replace the batteries in the remote control. See *page seven*.

Number buttons will not select TV channels above 69.

- Enter channel numbers as a two-digit number. If you want to select channels 100 and above, press the +100/+10 button, then the Number buttons for the last two digits. See *page 11*.
- If you are using an antenna and do not have Cable TV/Satellite, only channels 2-69 will be available.

46 Additional Information

Glossary

AUDIO In Jacks: red and white jacks on the front of the TV that receive sound from other equipment that is connected to the TV/DVD.

Automatic Channel Setup: process in which the TV/DVD memorizes all available TV channels. Then, when you push the CH. ▲/▼ buttons, you only scan through channels you receive.

Bands: settings that allow you to tune channels.

- Antenna – VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
- Cable – standard channels 1-125 can be received without a Cable Box.

COAXIAL Digital Audio Out jack: orange jack on the rear of the TV/DVD that sends digital audio to a stereo, allowing you to adjust the volume at the stereo.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters. Sound is heard through multiple channels, not just the right and left as with analog stereo.

VIDEO In Jack: yellow jack on the front of the TV/DVD that receives video from another source (Camcorder, etc.).

Specifications

General TV

CRT : 20 inch in-line gun, 90° deflection tube
Color system : NTSC-M
Tuner channels: 2-69
Cable TV: 1-125

General DVD

Color System: NTSC
Frequency response
DVD (linear sound): 20 Hz to 22 kHz (sample rate: 48 kHz)
20 Hz to 44 kHz (sample rate: 96 kHz)
Audio CD: 20 Hz to 20 kHz
Signal-to-noise ratio
Audio CD: 80 dB (EIAJ)
Dynamic range
DVD (linear sound): 85 dB
Audio CD: 82 dB (EIAJ)
Total distortion factor
Audio CD: 0.07% (EIAJ)
Wow and flutter: Below measurement limitation (+/- 0.001% W PEAK) (EIAJ)

Electrical Specifications

Sound output: Two speakers, 1W, 8 ohm

Other Specifications

Terminals
Antenna In: 75 ohm unbalanced (F-type)
Video In: one RCA connector
Audio L/R In: two RCA connectors
Headphone: 1/8" stereo (3.5 mm)
Coaxial Digital Audio Out: One pin jack, 500m Vpp (75 ohm)
Operating temperature: 41°F to 104°F (5°C to 40°C)
Power requirements: AC 120V, 60Hz
Power consumption (Maximum): AC 85W
Dimensions: Height: 20.2" (513.5 mm)
Width: 20.2" (512 mm)
Depth: 19.8" (503 mm)
Weight: 49.6 lbs (22.5 kg)

Language Codes

You may need these codes in the LANGUAGE menus. See page 42.

A-B		F-H		L-N		O-R		S-T		U-Z	
Abkhazian	4748	Dutch	6058	Japanese	5647	Occitan	6149	Spanish	5165		
Afar	4747	English	5160	Javanese	5669	Oriya	6164	Sundanese	6567		
Afrikaans	4752	Esperanto	5161	Kannada	5760	Oromo	6159	Swahili	6569		
Albanian	6563	Estonian	5166	Kashmiri	5765	Panjabi	6247	Swedish	6568		
Amharic	4759			Kazakh	5757	Pashto	6265	Tagalog	6658		
Arabic	4764	Faroeese	5261	Kinyarwanda	6469	Persian	6247	Tajik	6653		
Armenian	5471	Fiji	5256	Kirghiz	5771	Polish	6258	Tamil	6647		
Assamese	4765	Finnish	5255	Kirundi	6460	Portuguese	6266	Tatar	6666		
Aymara	4771	French	5264	Korean	5761	Pushto	6265	Telugu	6651		
Azerbaijani	4772	Frisian	5271	Kurdish	5767	Quechua	6367	Thai	6654		
Bangla	4860	Gaelic (Scots)	5350			Rhaeto-Romance	6459	Tibetan	4861		
Bashkir	4847	Galician	5358	Laothian	5861	Romanian	6461	Tigrinya	6655		
Basque	5167	Georgian	5747	Latin	5847	Russian	6467	Tonga	6661		
Bengali	4860	German	5051	Latvian	5868			Tsonga	6665		
Bhutani	5072	Greek	5158	Lettish	5868			Turkish	6664		
Bihari	4854	Greenlandic	5758	Lingala	5860			Turkmen	6657		
Bislama	4855	Guarani	5360	Lithuanian	5866	Samoan	6559	Twili	6669		
Breton	4864	Gujarati	5367	Macedonian	5957	Sangho	6553				
Bulgarian	4853	Hausa	5447	Malagasy	5953	Sanskrit	6547	Ukrainian	6757		
Burmese	5971	Hebrew	5569	Malay	5965	Serbian	6564	Urdu	6764		
Byelorussian	4851	Hindi	5455	Malayalam	5958	Serbo-Croatian	6554	Uzbek	6772		
		Hungarian	5467	Maltese	5966	Sesotho	6566	Vietnamese	6855		
				Maori	5955	Setswana	6660	Volapuk	6861		
Cambodian	5759			Marathi	5964	Shona	6560	Welsh	4971		
Catalan	4947	Icelandic	5565	Moldavian	5961	Sindhi	6550	Wolof	6961		
Chinese	7254	Indonesian	5560	Mongolian	5960	Singhalese	6555	Xhosa	7054		
Corsican	4961	Interlingua	5547	Nauru	6047	Siswat	6565	Yiddish	5655		
Croatian	5464	Interlingue	5551	Nepali	6051	Slovak	6557	Yoruba	7161		
Czech	4965	Inupiak	5557	Norwegian	6061	Slovenian	6558	Zulu	7267		
Danish	5047	Irish	5347			Somali	6561				
		Italian	5566								

Limited Warranty 47

TV/DVD COMBINATION

90 Days Free Labor/One Year Parts Exchange

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter*, all parts will be repaired or replaced and labor is free. *From 90 days to one year from the day of purchase*, all parts will be repaired or replaced, but you pay for all labor charges. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- damage caused by the use of non-VHS tapes or tapes that have not been tested and labeled for use in two, four, six, and eight hour VHS recorders.
- a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Magnavox. In countries where Magnavox does not distribute the product, the local Magnavox service organization will

attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Take the product to a Magnavox factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Magnavox at:

1-800-705-2000.

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Magnavox is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

Magnavox, P.O. Box 520890, Miami, FL 33152 (402) 536-4171

EL6553E001 / 03-03

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